

Data File : VV012095.D
Acq On : 02 Aug 2019 11:23
Operator : SY/MD
Sample : MDL06
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Aug 02 23:57:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 02 23:54:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135953	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	126035	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	69143	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33484	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.58	69	26517	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.13	63	53446	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	3.96	46	78862	45.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	4.40	84	88457	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.08	65	47799	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.10	84	166984	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.12	67	43989	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	163043	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.66	79	21059	5.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.60%
46) 2-Hexanone-d5	8.14	63	64204	46.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.52%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32537	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
66) 1,2-Dichlorobenzene-d4	11.67	152	66682	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3467	0.224 ug/L	93
3) Chloromethane	1.25	50	2034	0.229 ug/L	85
5) Vinyl chloride	1.32	62	1974	0.218 ug/L #	52
6) Bromomethane	1.54	94	1199	0.221 ug/L	94
8) Chloroethane	1.60	64	1019	0.207 ug/L	84
9) Trichlorofluoromethane	1.77	101	3609	0.233 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2154	0.319 ug/L	89
12) 1,1-Dichloroethene	2.14	96	1974	0.316 ug/L #	1
13) Acetone	2.22	43	3178	3.305 ug/L	61
14) Carbon disulfide	2.32	76	4367	0.250 ug/L #	71
16) Methylene chloride	2.54	84	2607	0.407 ug/L	85
17) Methyl tert-butyl Ether	2.81	73	5102	0.260 ug/L #	94
18) trans-1,2-Dichloroethene	2.79	96	2160	0.240 ug/L	94
19) 1,1-Dichloroethane	3.23	63	3961	0.246 ug/L #	92
21) 2-Butanone	4.06	43	3014	1.588 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	2295	0.239 ug/L	92
23) Bromochloromethane	4.30	128	1066	0.254 ug/L #	65

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	7523	0.373	ug/L	95
27) 1,2-Dichloroethane	5.19	62	3234	0.290	ug/L #	76
29) 1,1,1-Trichloroethane	4.65	97	4414	0.283	ug/L #	83
30) Cyclohexane	4.72	56	2944	0.221	ug/L #	80
31) Carbon tetrachloride	4.87	117	4226	0.301	ug/L	96
33) Benzene	5.15	78	8357	0.244	ug/L	100
34) Trichloroethene	5.96	95	1265	0.130	ug/L	93
35) Methylcyclohexane	6.17	83	3848	0.252	ug/L	95
37) 1,2-Dichloropropane	6.22	63	2014	0.254	ug/L #	89
38) Bromodichloromethane	6.55	83	3075	0.275	ug/L #	89
39) cis-1,3-Dichloropropene	7.07	75	2802	0.226	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	9832	2.201	ug/L #	86
42) Toluene	7.43	91	10375	0.273	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	3319	0.331	ug/L	85
45) 1,1,2-Trichloroethane	7.88	97	1493	0.247	ug/L	92
47) Tetrachloroethene	8.02	164	2193	0.257	ug/L	94
48) 2-Hexanone	8.19	43	7609	2.410	ug/L #	92
49) Dibromochloromethane	8.29	129	2303	0.311	ug/L	81
50) 1,2-Dibromoethane	8.40	107	1387	0.246	ug/L #	95
51) Chlorobenzene	8.92	112	6582	0.259	ug/L	96
52) Ethylbenzene	9.05	91	10860	0.250	ug/L	92
53) m,p-xylene	9.18	106	3868	0.234	ug/L	94
54) o-xylene	9.59	106	3628	0.232	ug/L	76
55) Styrene	9.60	104	6053	0.230	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	1721	0.265	ug/L #	89
59) Bromoform	9.77	173	1095	0.262	ug/L #	88
60) Isopropylbenzene	9.97	105	10505	0.238	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1170	0.232	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.58	105	8166	0.224	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	7967	0.220	ug/L	87
64) 1,3-Dichlorobenzene	11.23	146	5331	0.242	ug/L	90
65) 1,4-Dichlorobenzene	11.32	146	6001	0.268	ug/L	91
67) 1,2-Dichlorobenzene	11.69	146	5467	0.273	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.48	75	345	0.332	ug/L #	72
69) 1,3,5-Trichlorobenzene	12.69	180	5027	0.276	ug/L	94
70) 1,2,4-trichlorobenzene	13.31	180	3655	0.254	ug/L	95
71) Naphthalene	13.55	128	4313	0.216	ug/L #	84
72) 1,2,3-Trichlorobenzene	13.79	180	3122	0.245	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
MDL06

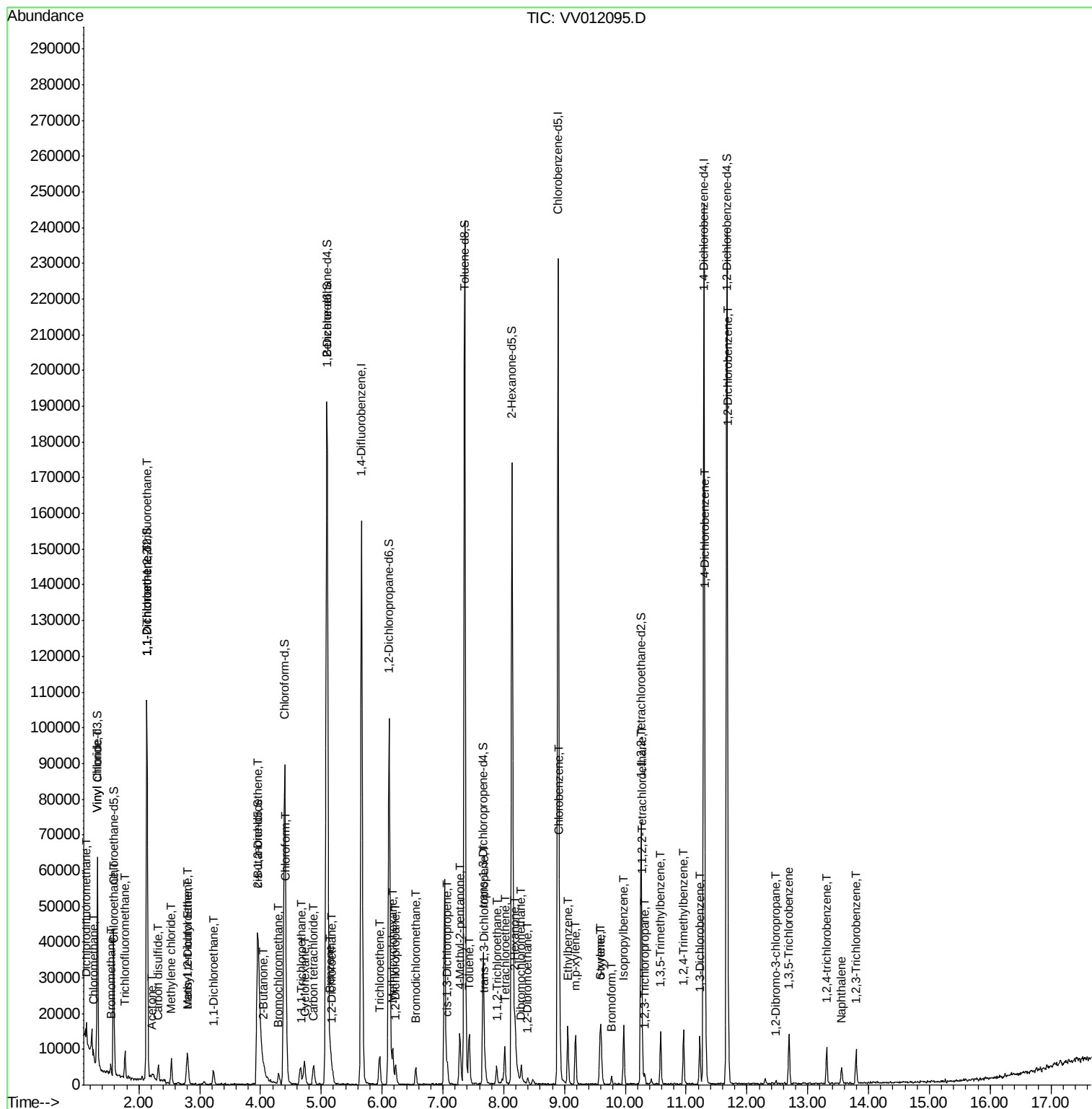
Quant Time: Aug 02 23:57:34 2019

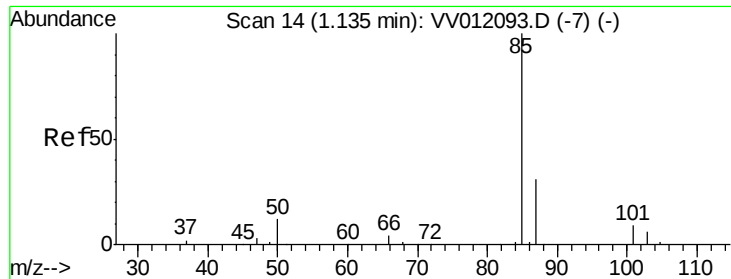
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 02 23:54:58 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.224 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

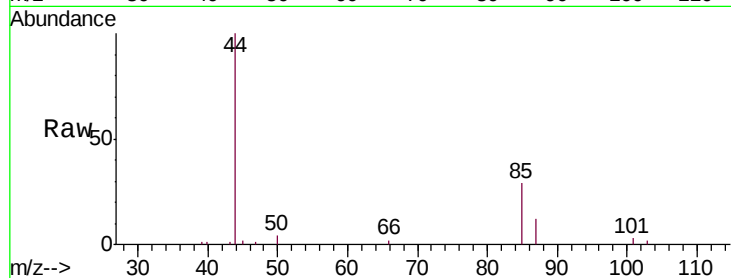
MDL06

Tgt Ion: 85 Resp: 3467

Ion Ratio Lower Upper

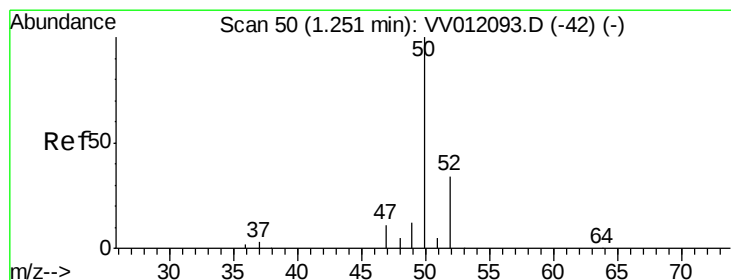
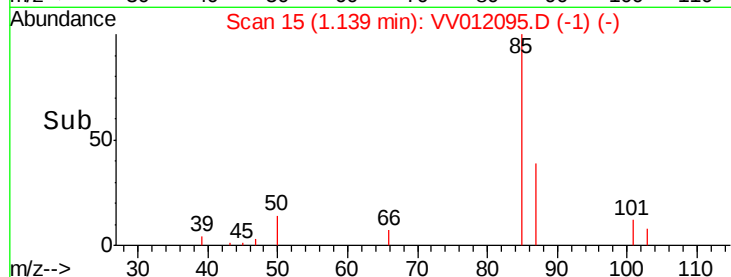
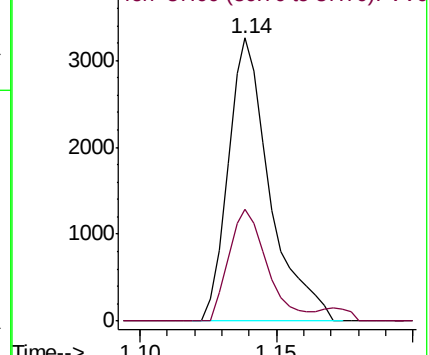
85 100

87 36.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.229 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012095.D

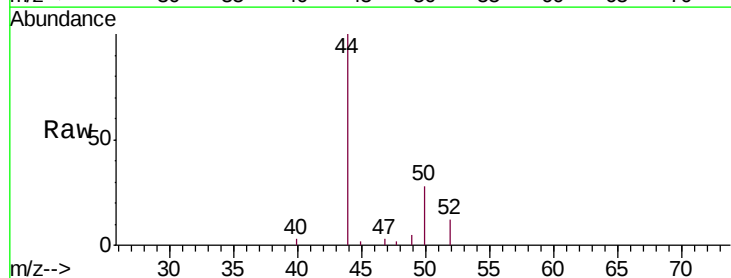
Acq: 02 Aug 2019 11:23

Tgt Ion: 50 Resp: 2034

Ion Ratio Lower Upper

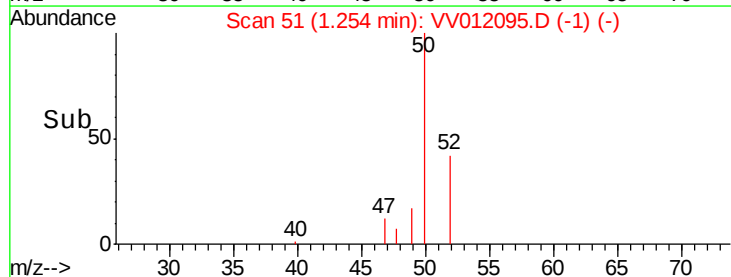
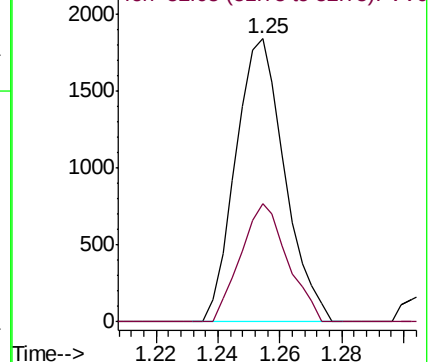
50 100

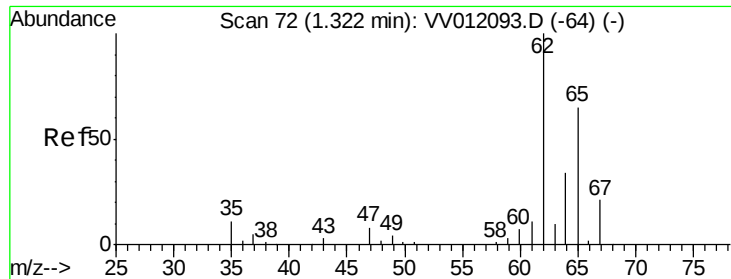
52 41.8 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.218 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

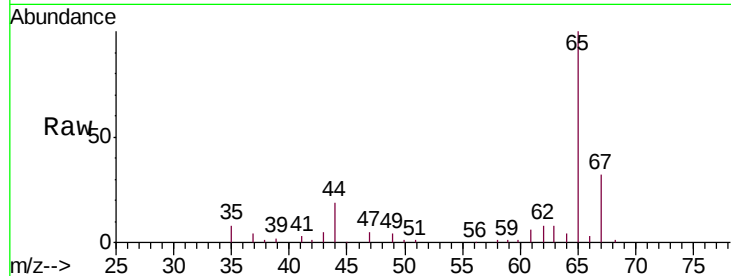
MDL06

Tgt Ion: 62 Resp: 1974

Ion Ratio Lower Upper

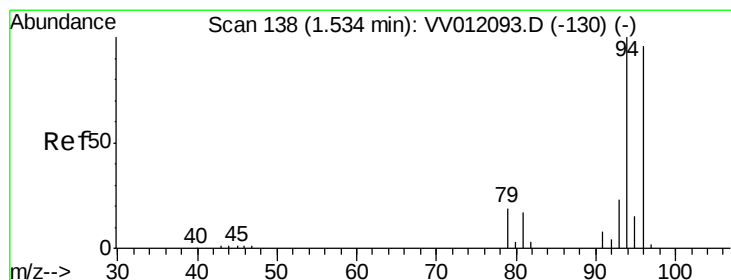
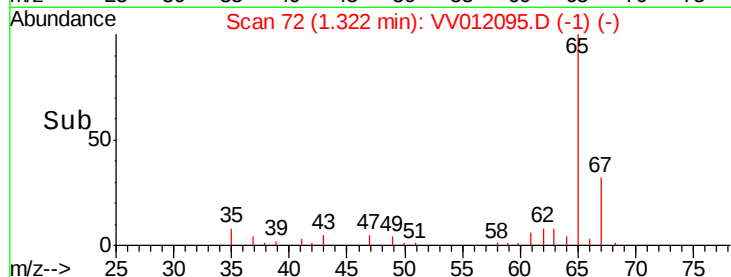
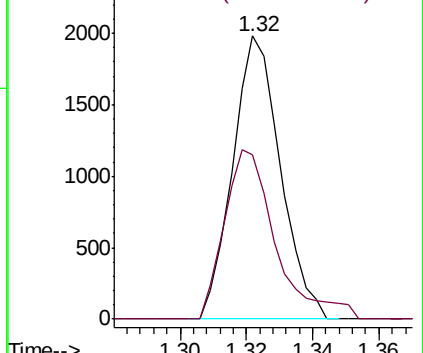
62 100

64 57.9 22.0 41.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.221 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012095.D

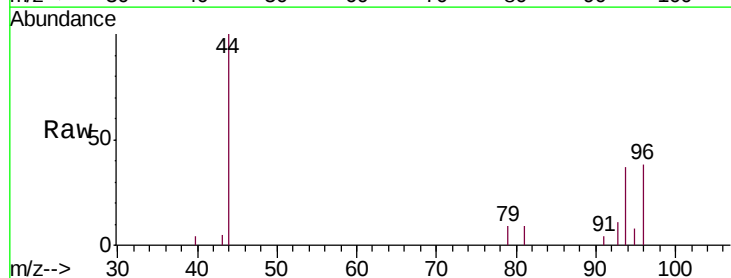
Acq: 02 Aug 2019 11:23

Tgt Ion: 94 Resp: 1199

Ion Ratio Lower Upper

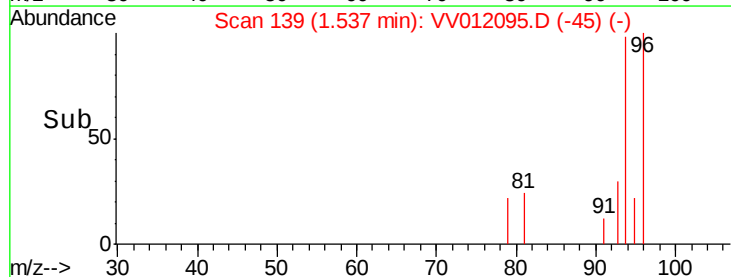
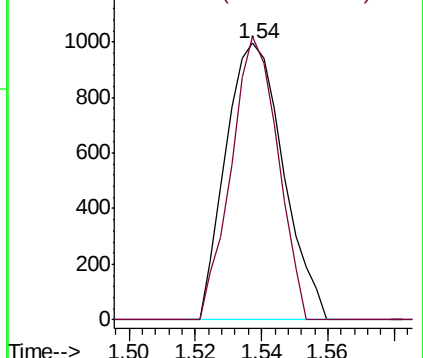
94 100

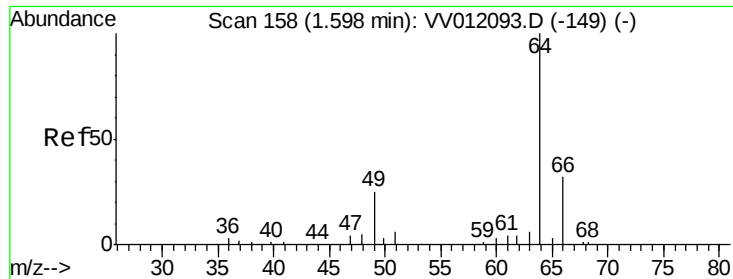
96 102.3 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

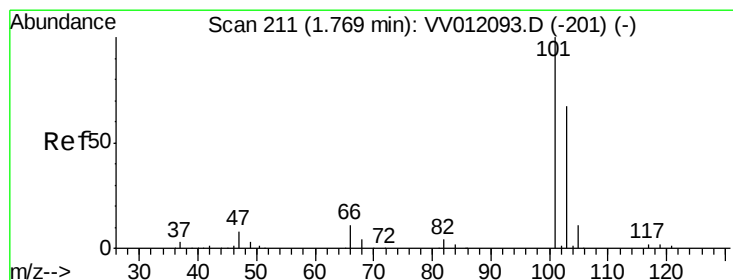
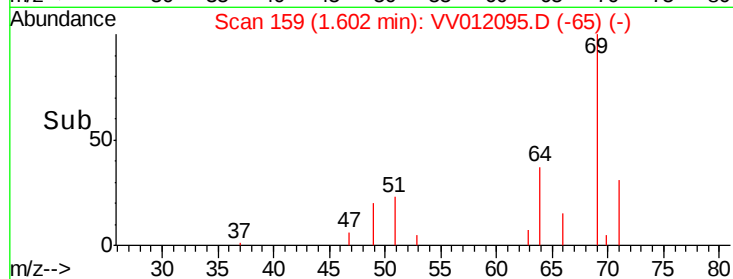
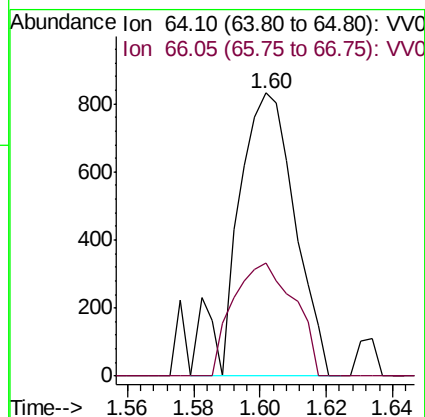
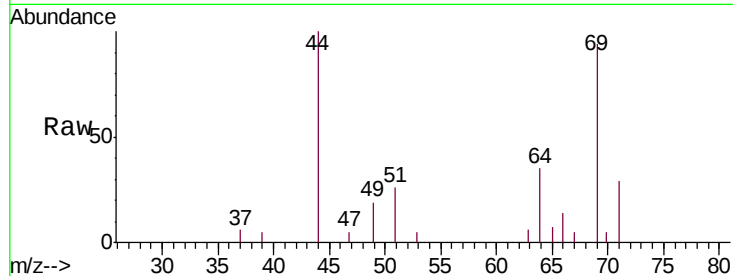




#8
Chloroethane
Concen: 0.207 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

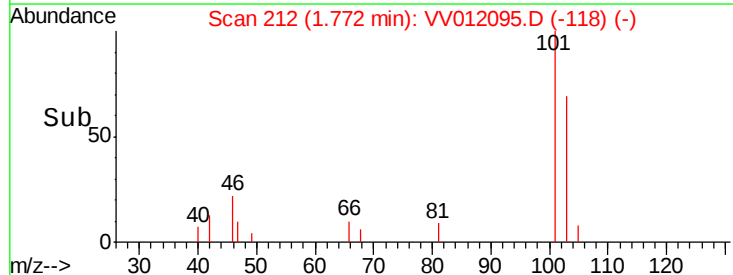
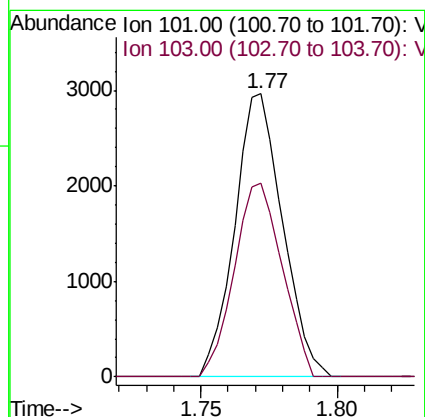
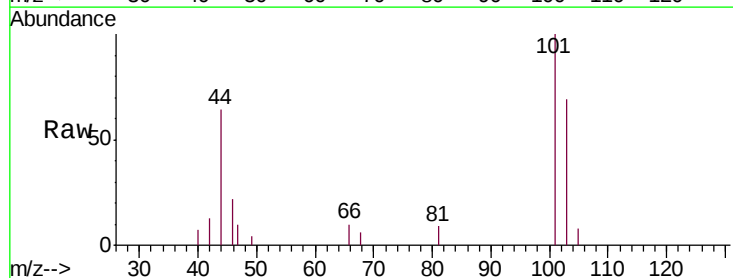
Instrument :
MSVOA_V
ClientSampleId :
MDL06

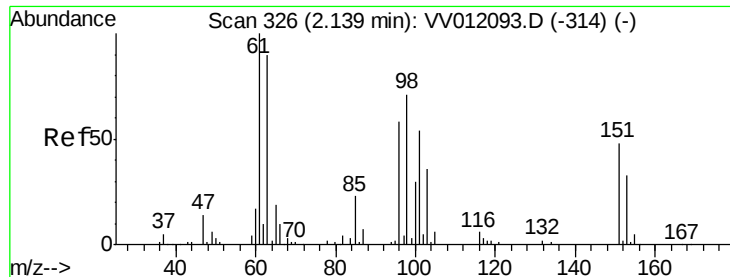
Tgt Ion: 64 Resp: 1019
Ion Ratio Lower Upper
64 100
66 39.8 21.7 40.3



#9
Trichlorofluoromethane
Concen: 0.233 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

Tgt Ion: 101 Resp: 3609
Ion Ratio Lower Upper
101 100
103 68.4 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.319 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

MDL06

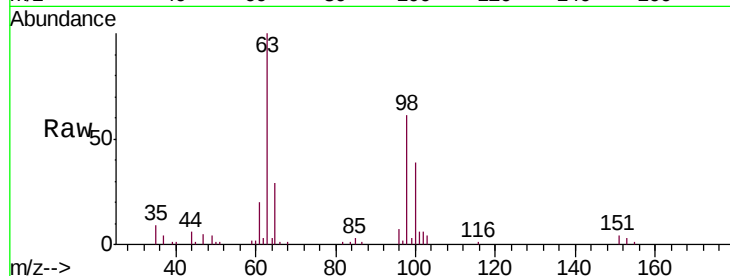
Tgt Ion:101 Resp: 2154

Ion Ratio Lower Upper

101 100

85 42.5 37.8 56.8

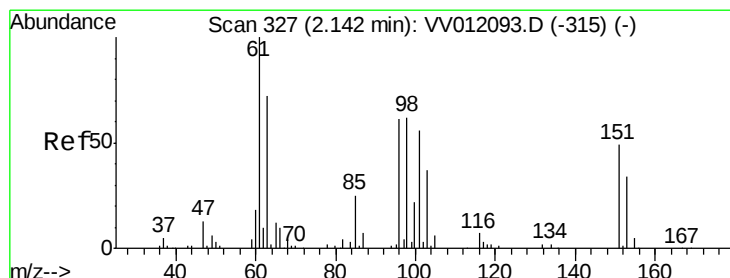
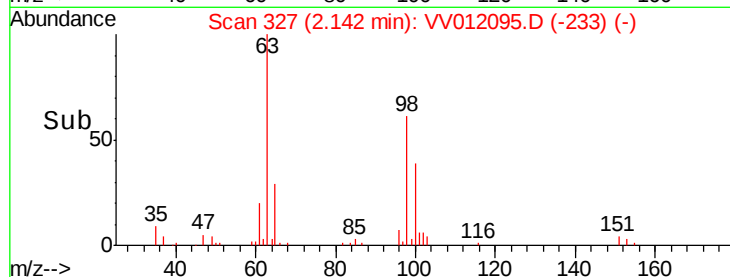
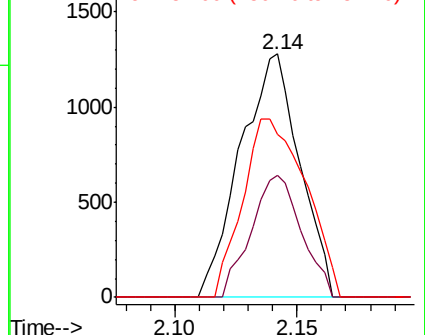
151 77.8 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.316 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

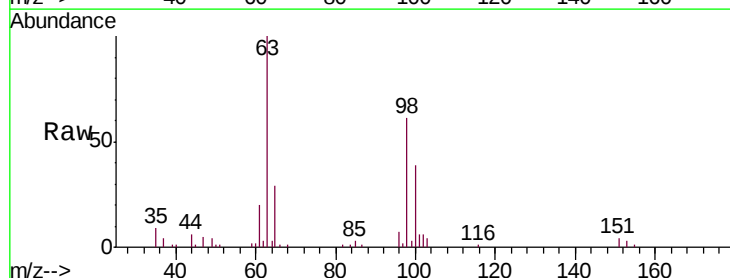
Tgt Ion: 96 Resp: 1974

Ion Ratio Lower Upper

96 100

61 302.4 127.8 237.4#

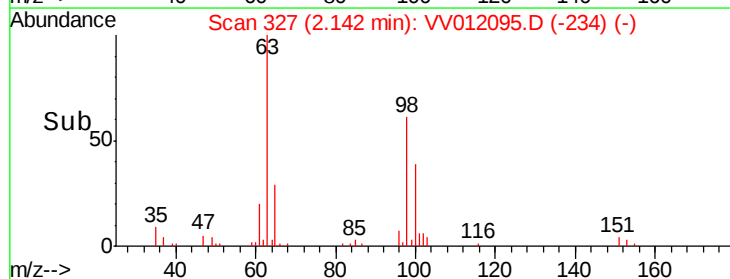
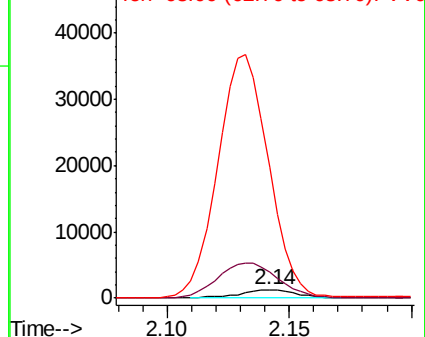
63 1501.5 92.7 172.3#

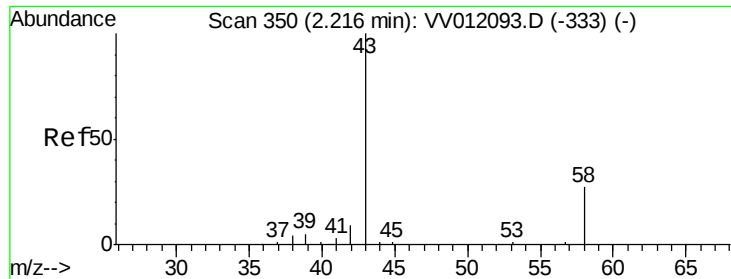


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.305 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

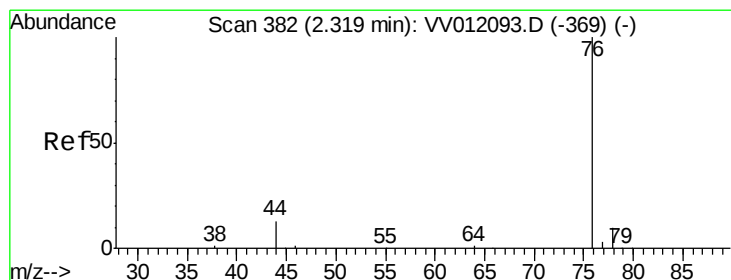
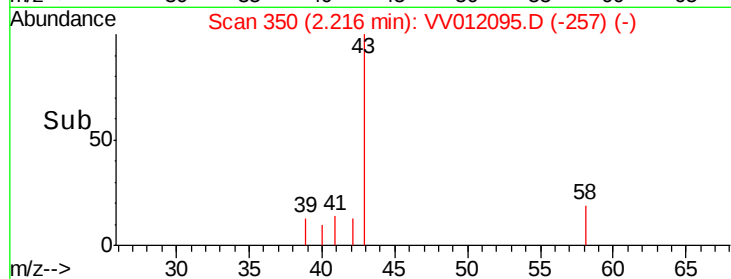
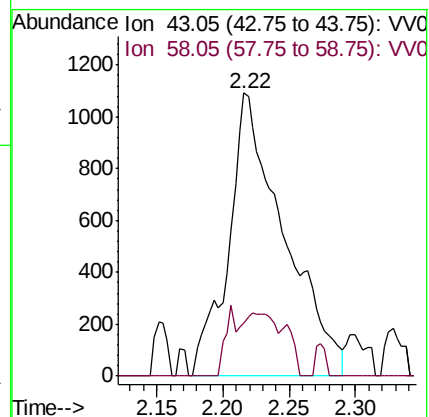
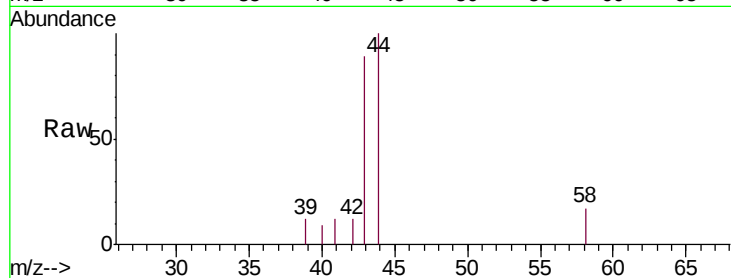
MDL06

Tgt Ion: 43 Resp: 3178

Ion Ratio Lower Upper

43 100

58 5.8 0.0 51.6



#14

Carbon disulfide

Concen: 0.250 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012095.D

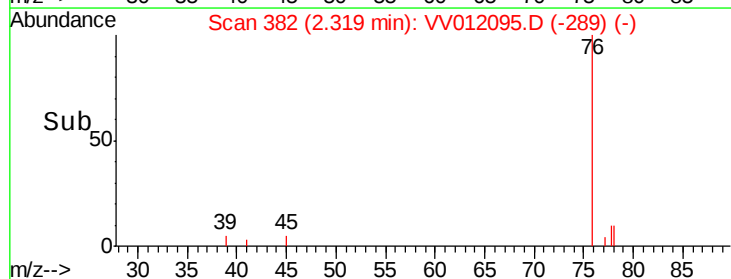
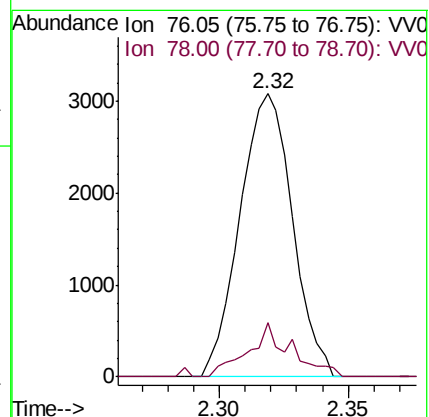
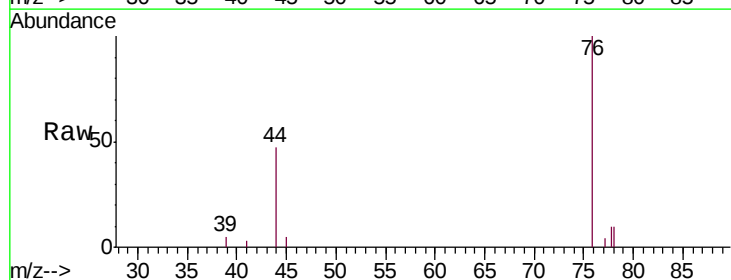
Acq: 02 Aug 2019 11:23

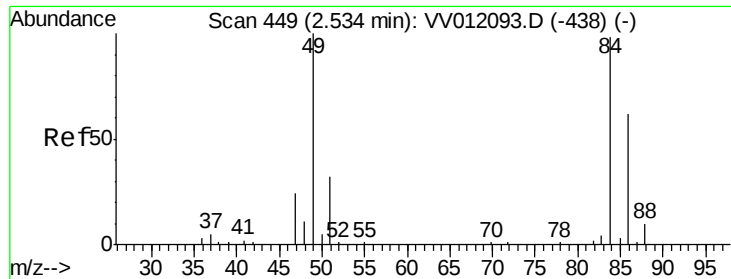
Tgt Ion: 76 Resp: 4367

Ion Ratio Lower Upper

76 100

78 19.4 7.2 10.8#

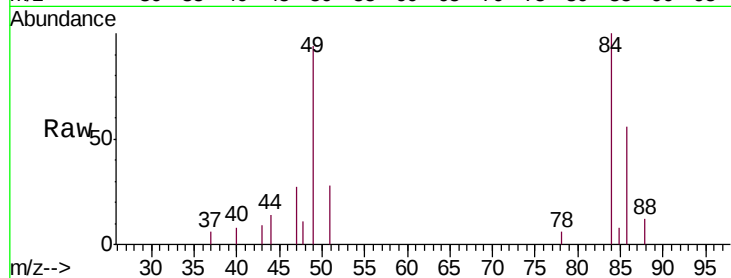




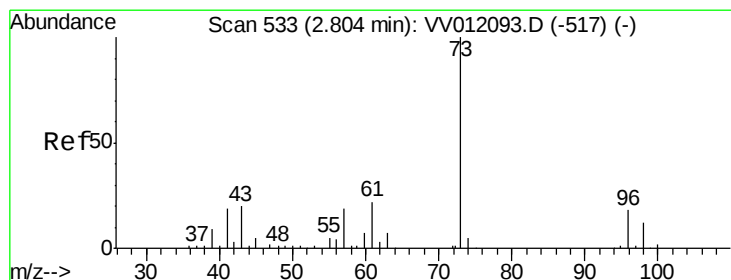
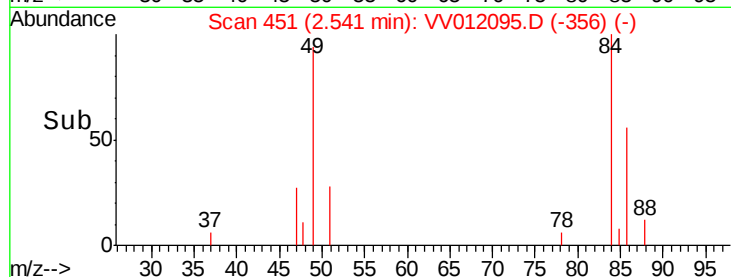
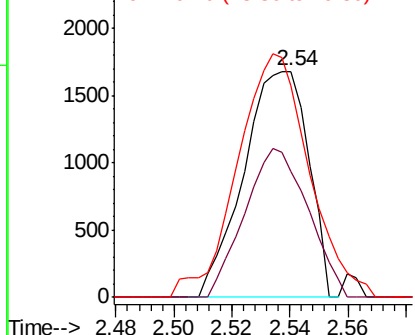
#16
Methylene chloride
Concen: 0.407 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 84 Resp: 2607
Ion Ratio Lower Upper
84 100
86 55.9 44.9 83.3
49 93.5 78.6 146.0

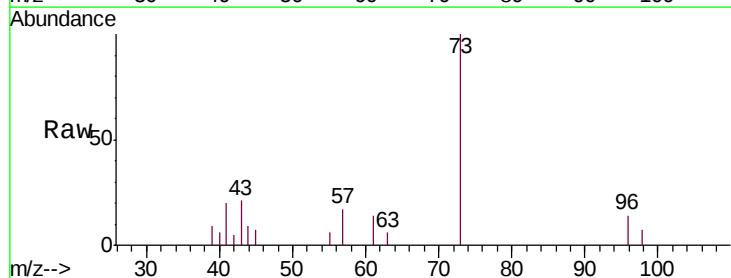


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

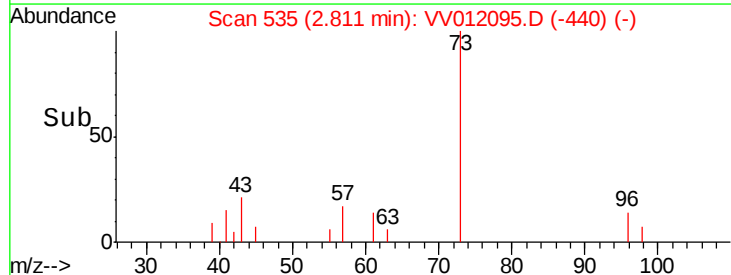
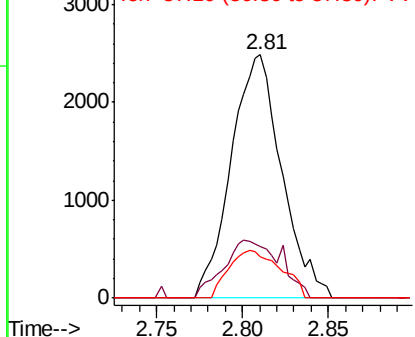


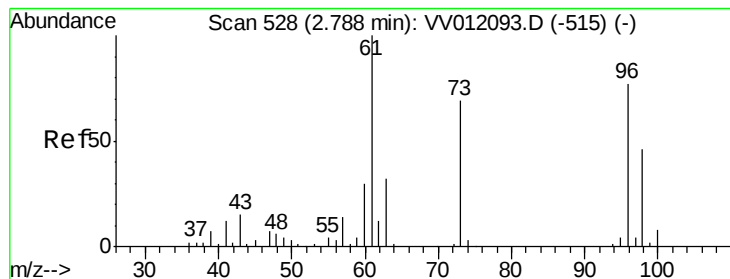
#17
Methyl tert-butyl Ether
Concen: 0.260 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.01 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

Tgt Ion: 73 Resp: 5102
Ion Ratio Lower Upper
73 100
43 26.8 17.6 26.4#
57 20.1 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.240 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

MDL06

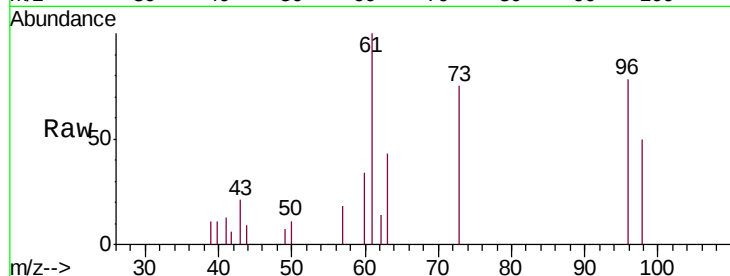
Tgt Ion: 96 Resp: 2160

Ion Ratio Lower Upper

96 100

61 128.5 97.2 180.6

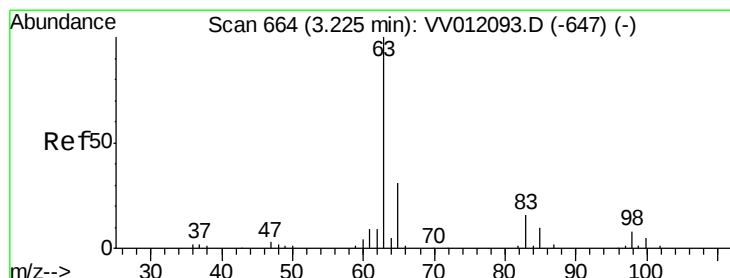
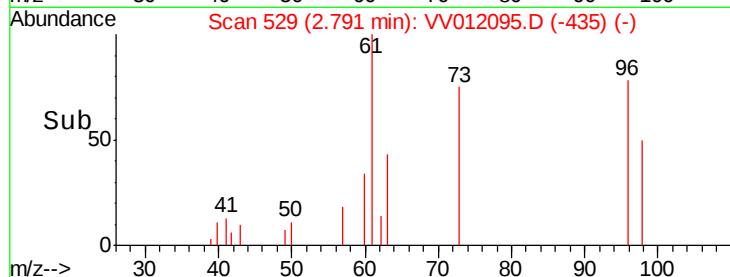
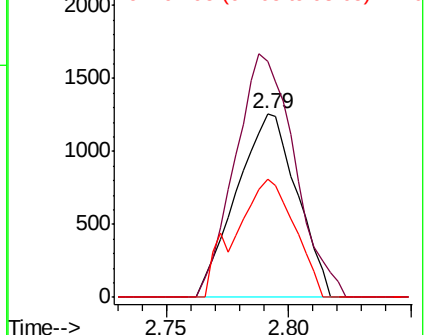
98 64.3 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.246 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

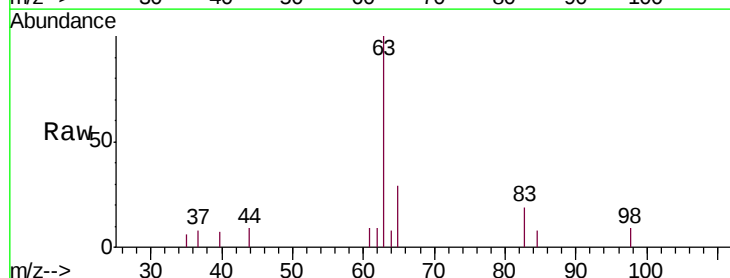
Tgt Ion: 63 Resp: 3961

Ion Ratio Lower Upper

63 100

65 29.5 23.0 42.6

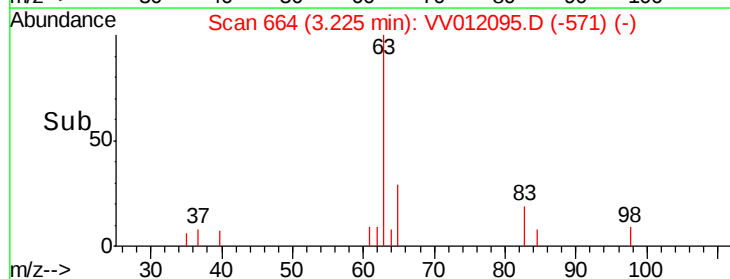
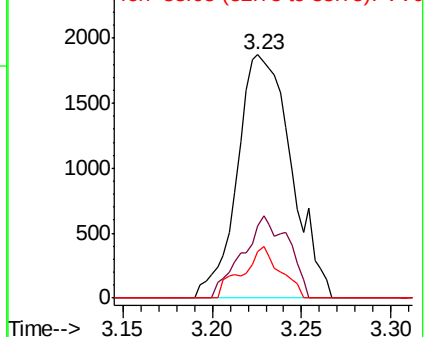
83 19.1 9.7 17.9#

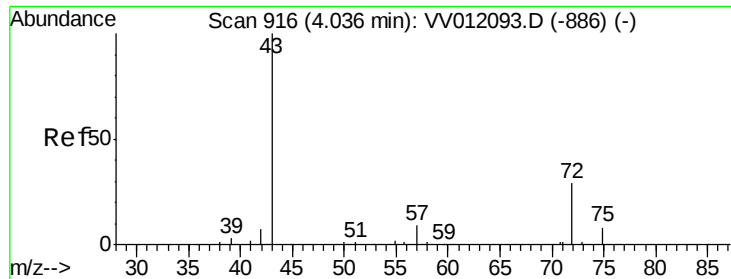


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 1.588 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.03 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

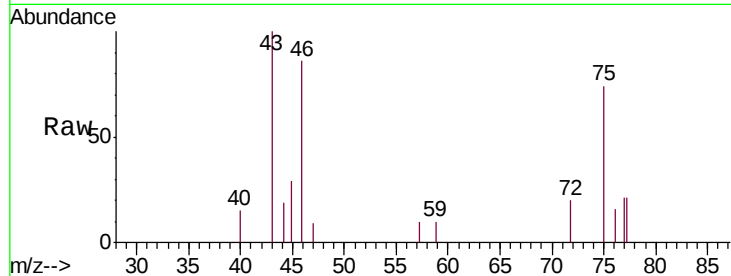
MDL06

Tgt Ion: 43 Resp: 3014

Ion Ratio Lower Upper

43 100

72 22.3 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV012093.D (-886) (-)

Ion 72.10 (71.80 to 72.80): VV012093.D (-886) (-)

4.06

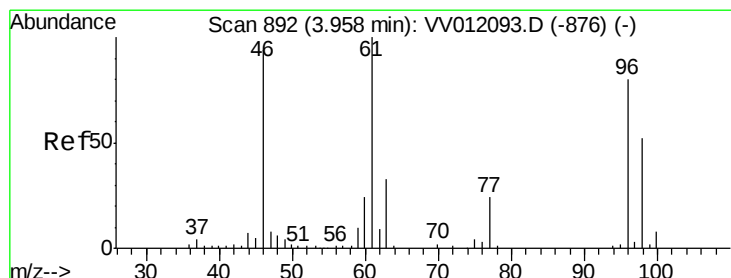
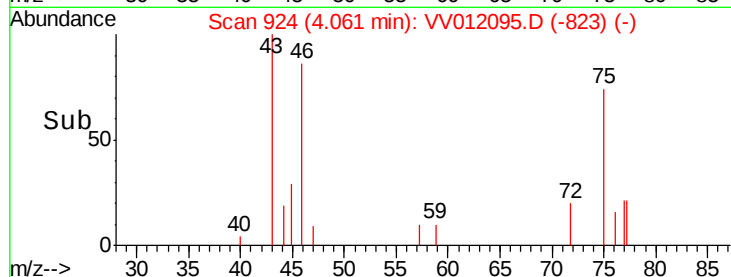
1500

1000

500

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.239 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

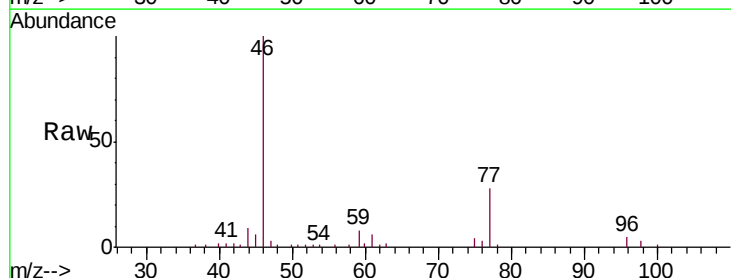
Tgt Ion: 96 Resp: 2295

Ion Ratio Lower Upper

96 100

61 119.0 90.0 167.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012093.D (-876) (-)

Ion 61.05 (60.75 to 61.75): VV012093.D (-876) (-)

Ion 68.15 (67.85 to 68.85): VV012093.D (-876) (-)

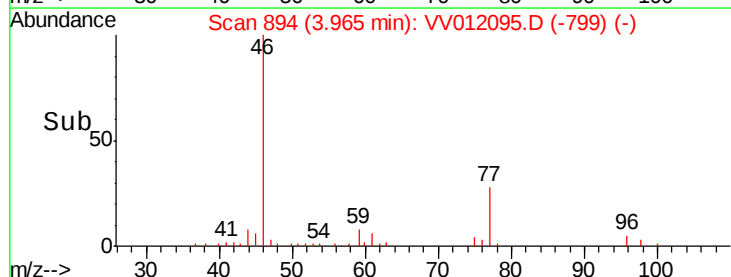
1500

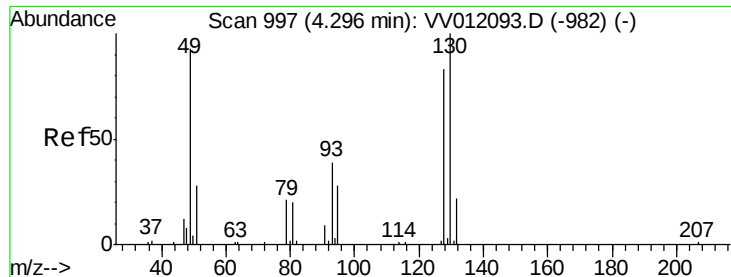
1000

500

0

Time-->





#23

Bromochloromethane

Concen: 0.254 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion:128 Resp: 1066

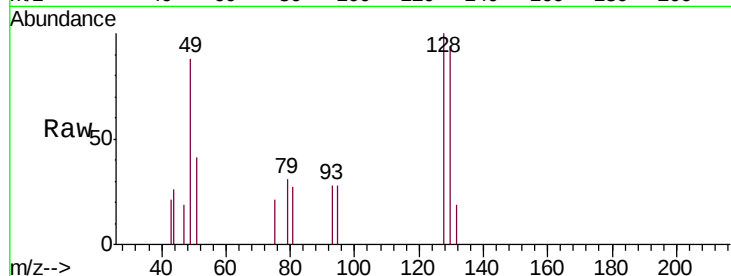
Ion Ratio Lower Upper

128 100

49 88.0 105.1 195.1#

130 94.1 88.9 165.1

51 41.0 36.2 54.2

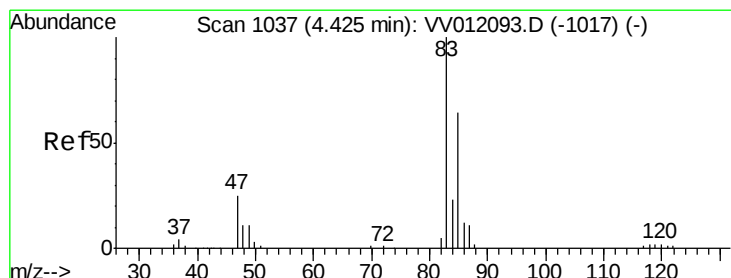
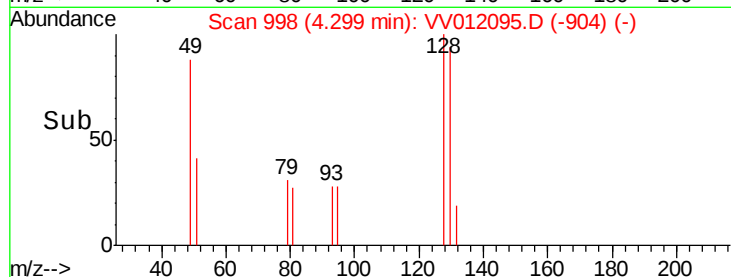
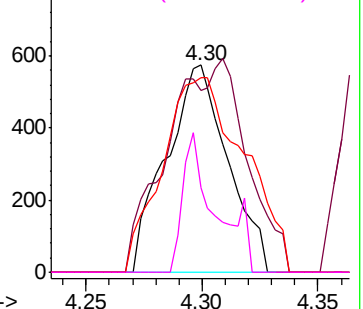


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.373 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012095.D

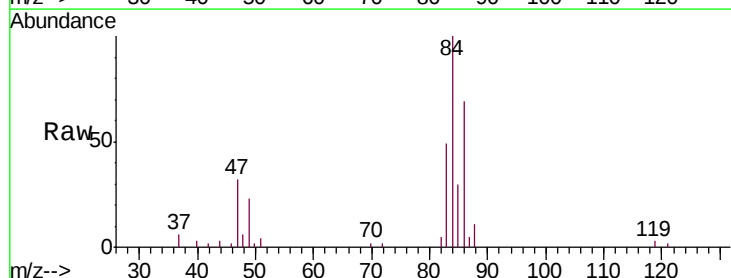
Acq: 02 Aug 2019 11:23

Tgt Ion: 83 Resp: 7523

Ion Ratio Lower Upper

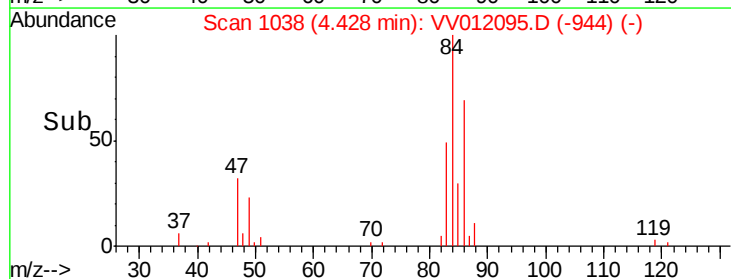
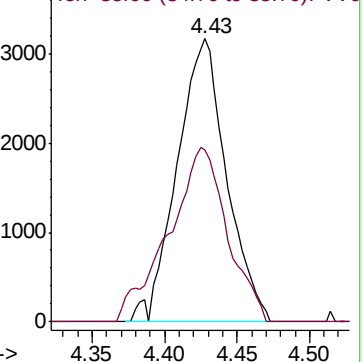
83 100

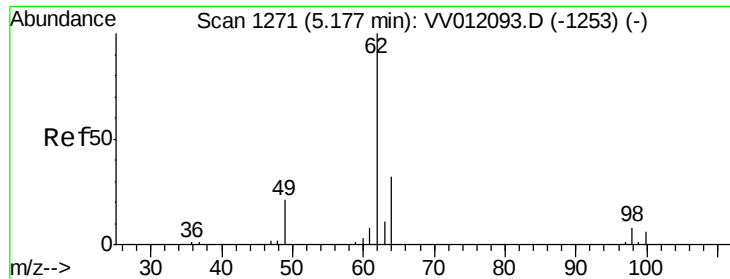
85 60.8 45.2 84.0



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.290 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

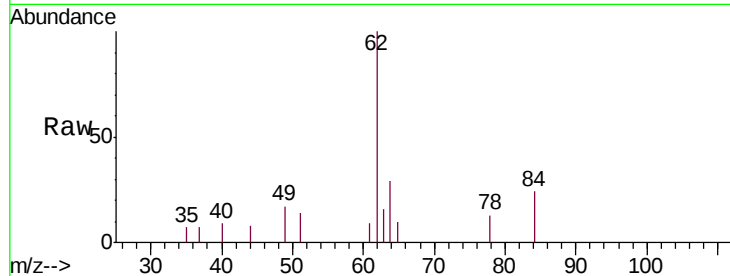
MDL06

Tgt Ion: 62 Resp: 3234

Ion Ratio Lower Upper

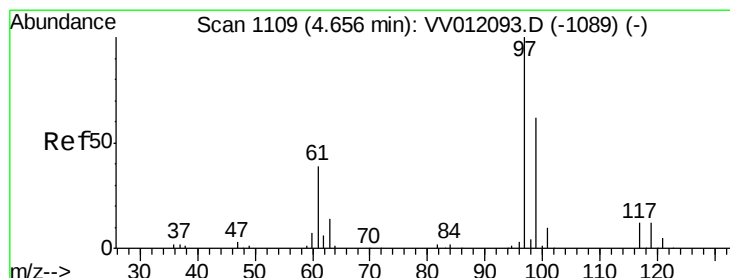
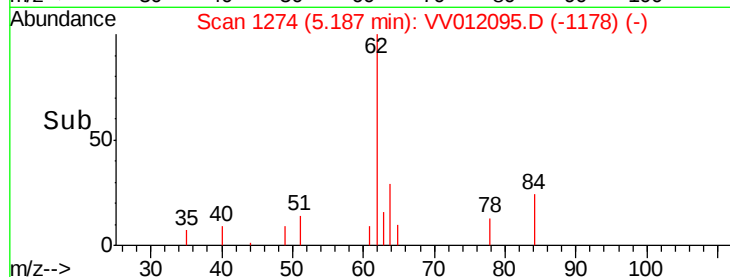
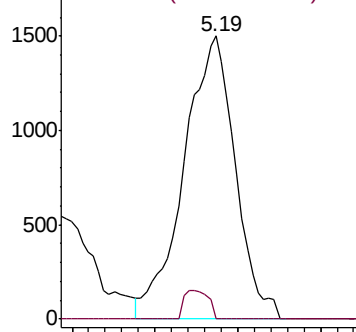
62 100

98 0.0 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#29

1,1,1-Trichloroethane

Concen: 0.283 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

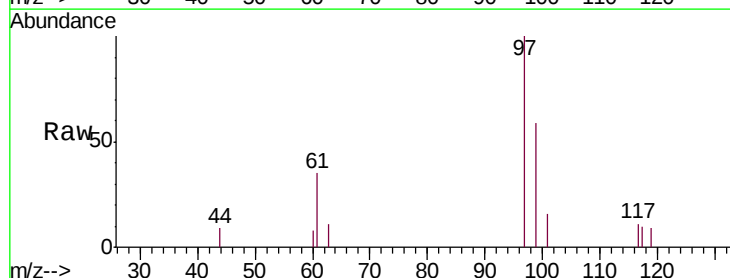
Tgt Ion: 97 Resp: 4414

Ion Ratio Lower Upper

97 100

99 54.2 51.8 77.8

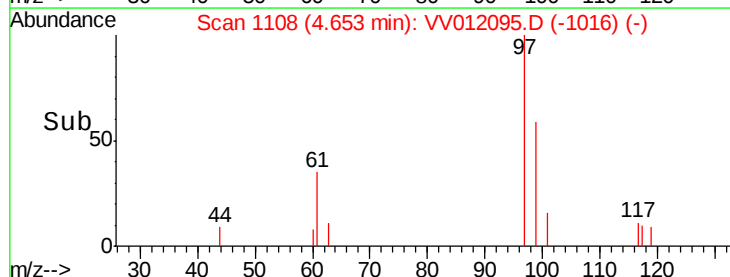
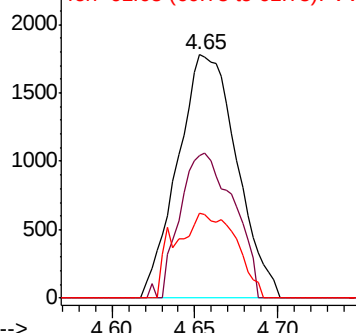
61 28.6 34.5 51.7#

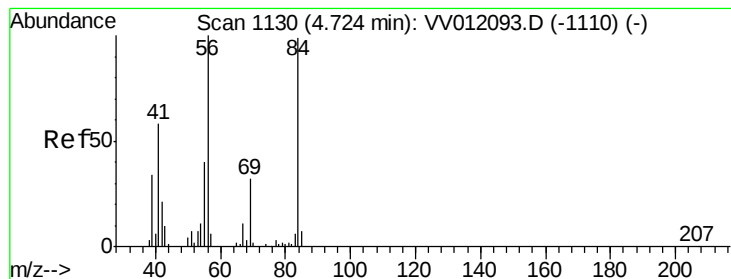


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0





#30

Cyclohexane

Concen: 0.221 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

MDL06

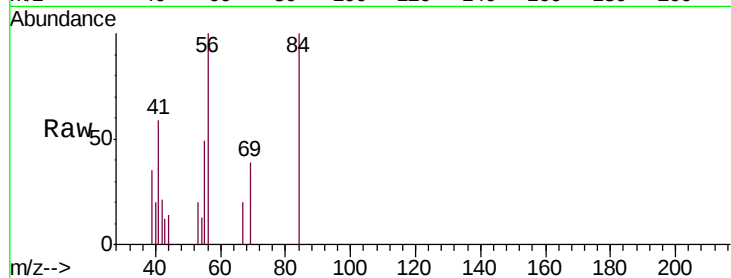
Tgt Ion: 56 Resp: 2944

Ion Ratio Lower Upper

56 100

69 27.3 24.8 37.2

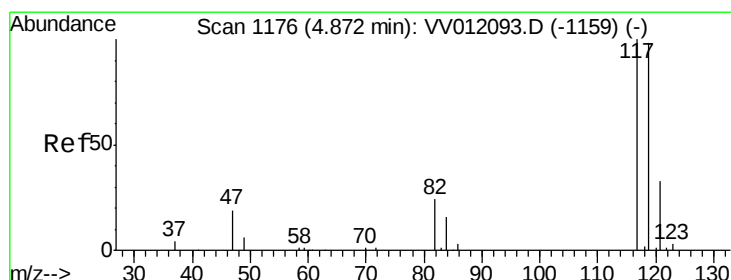
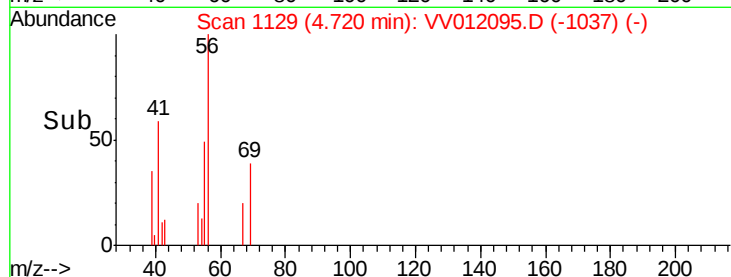
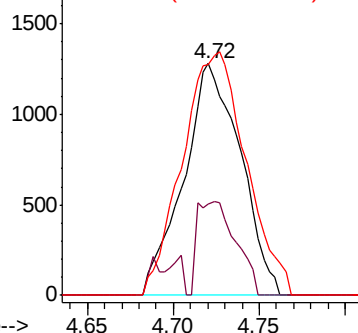
84 117.5 75.4 113.2#



Abundance Ion 56.10 (55.80 to 56.80): VV012093.D (-1110) (-)

Ion 69.15 (68.85 to 69.85): VV012093.D (-1110) (-)

Ion 84.15 (83.85 to 84.85): VV012093.D (-1110) (-)



#31

Carbon tetrachloride

Concen: 0.301 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012095.D

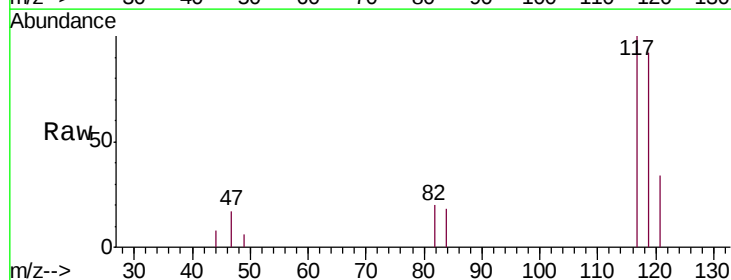
Acq: 02 Aug 2019 11:23

Tgt Ion: 117 Resp: 4226

Ion Ratio Lower Upper

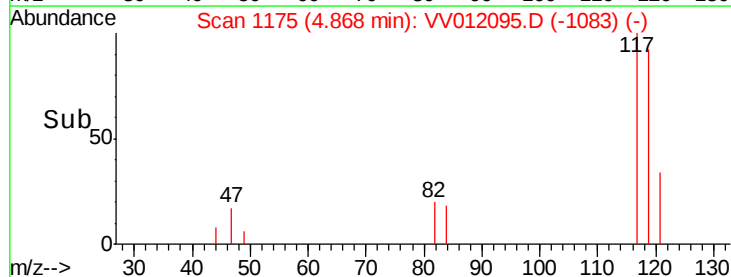
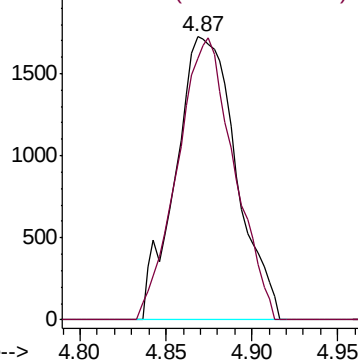
117 100

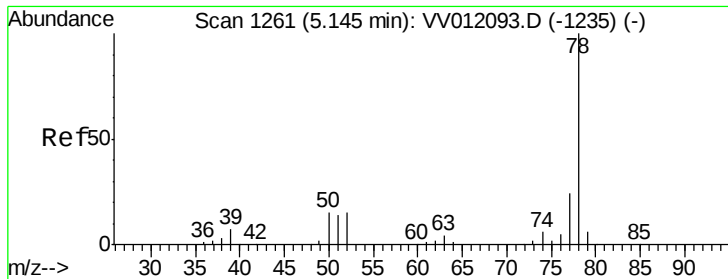
119 93.2 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): VV012093.D (-1159) (-)

Ion 118.90 (118.60 to 119.60): VV012093.D (-1159) (-)





#33

Benzene

Concen: 0.244 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

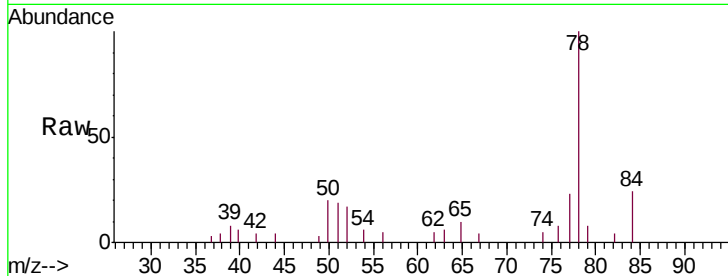
Instrument :

MSVOA_V

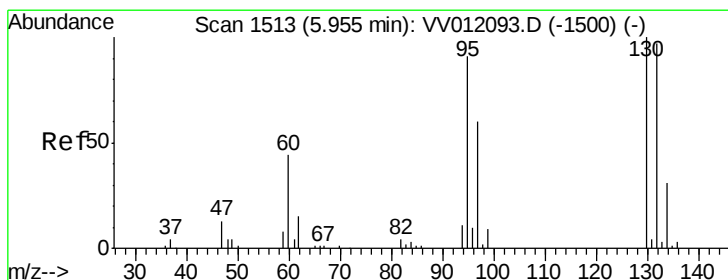
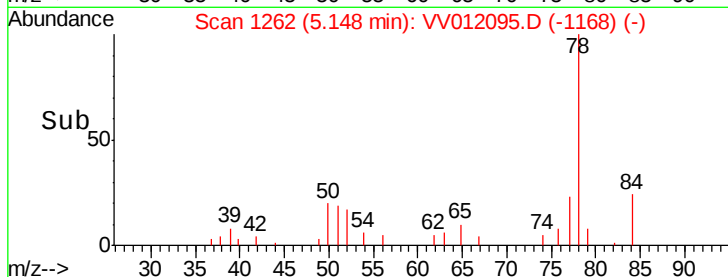
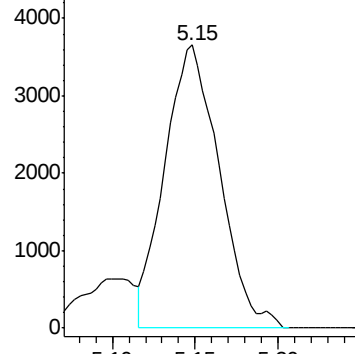
ClientSampleId :

MDL06

Tgt Ion: 78 Resp: 8357



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.130 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Tgt Ion: 95 Resp: 1265

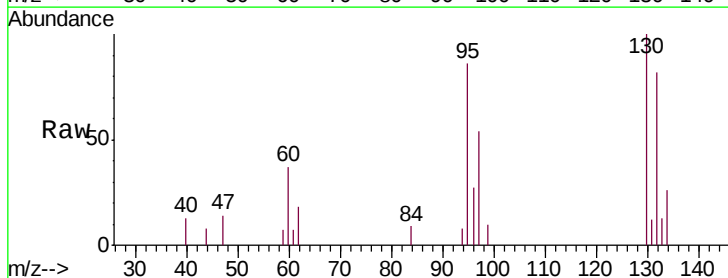
Ion	Ratio	Lower	Upper
95	100		
97	62.1	42.8	79.6
132	95.3	70.8	131.6
130	115.6	72.3	134.3

95 100

97 62.1 42.8 79.6

132 95.3 70.8 131.6

130 115.6 72.3 134.3

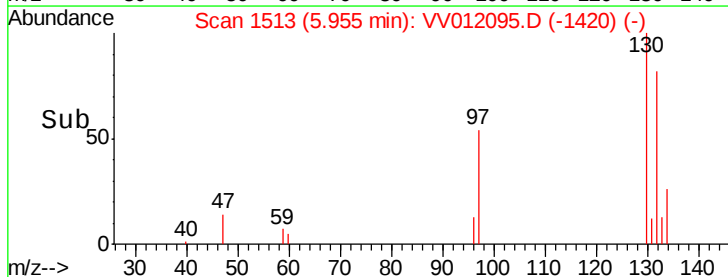
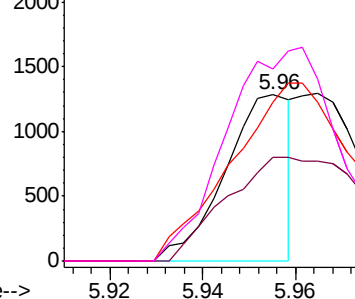


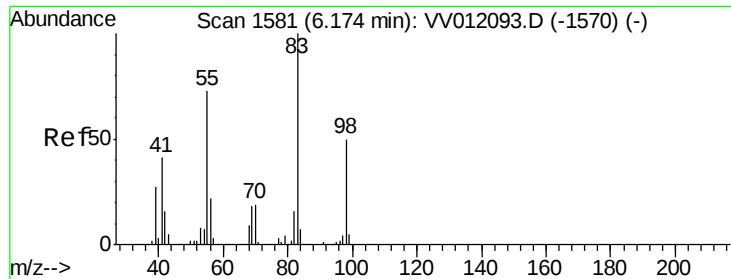
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

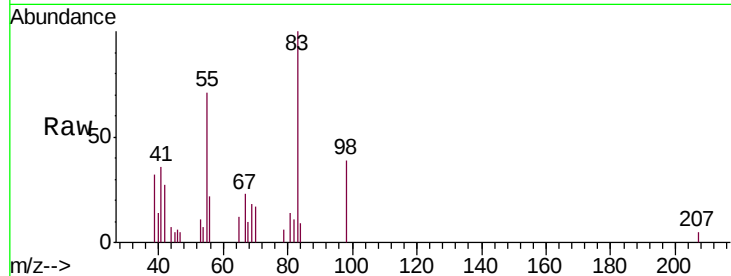




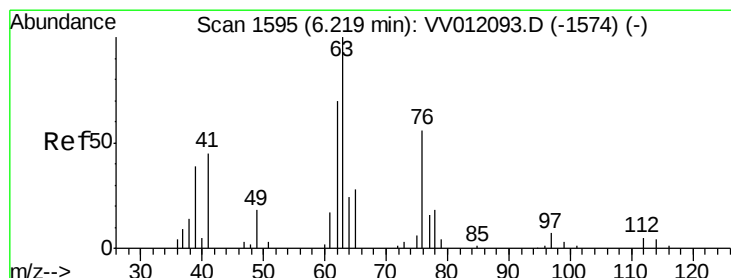
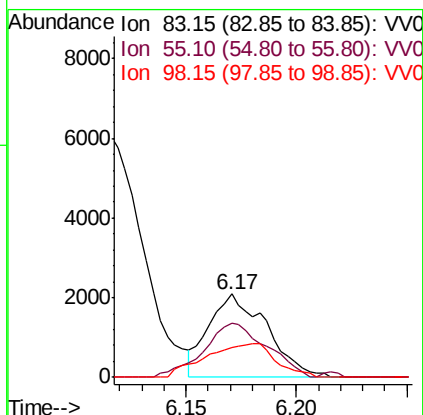
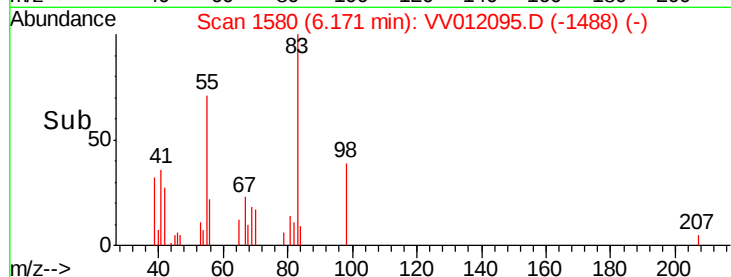
#35
Methylcyclohexane
Concen: 0.252 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 83 Resp: 3848
Ion Ratio Lower Upper
83 100
55 70.2 60.1 90.1
98 48.4 40.2 60.4

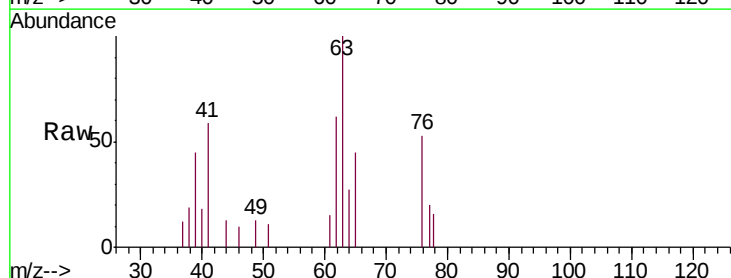


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

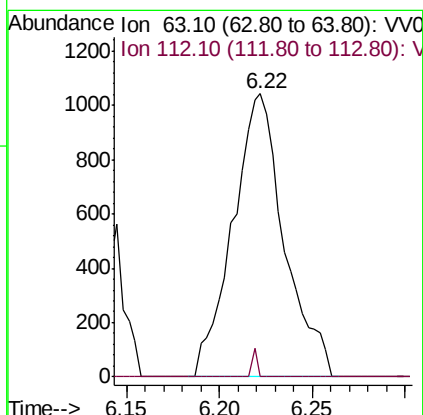
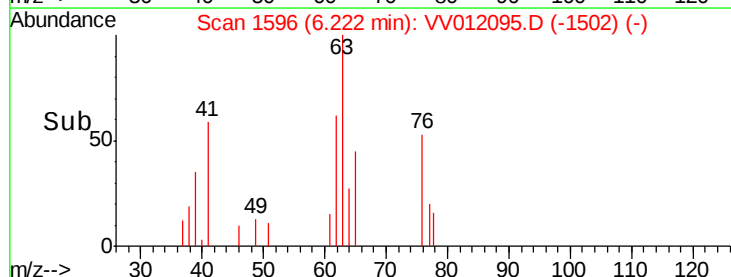


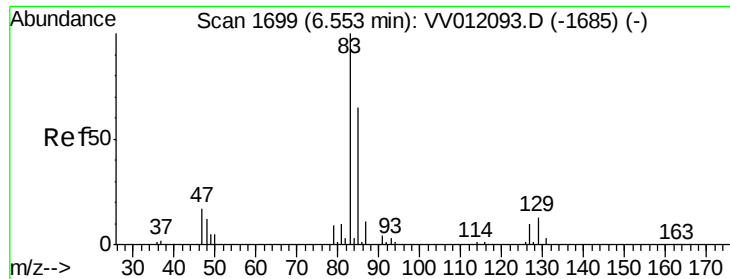
#37
1,2-Dichloropropane
Concen: 0.254 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

Tgt Ion: 63 Resp: 2014
Ion Ratio Lower Upper
63 100
112 1.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

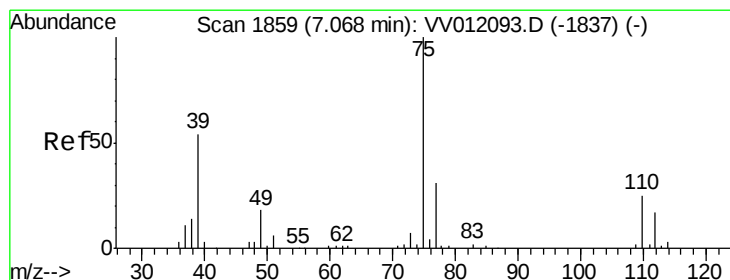
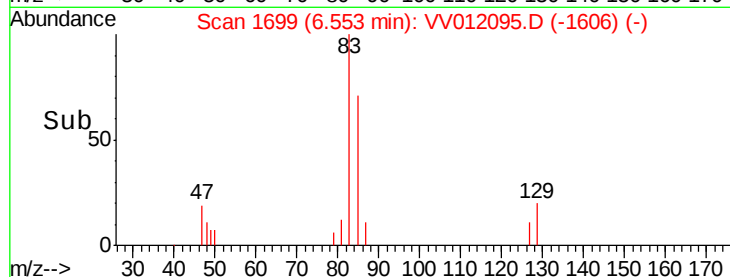
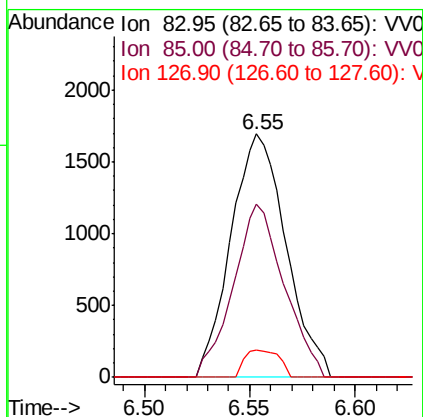
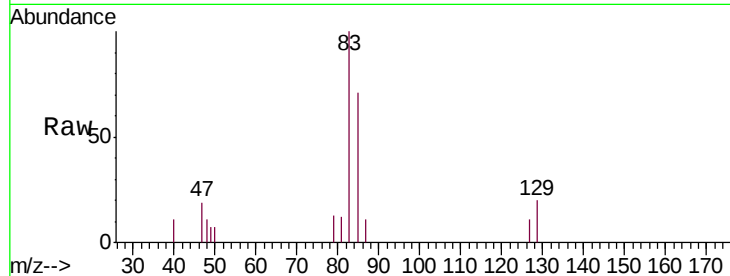




#38
 Bromodichloromethane
 Concen: 0.275 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

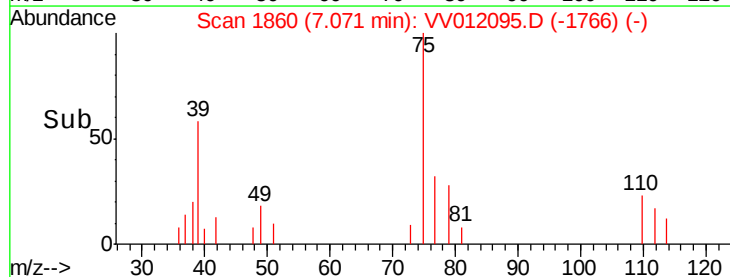
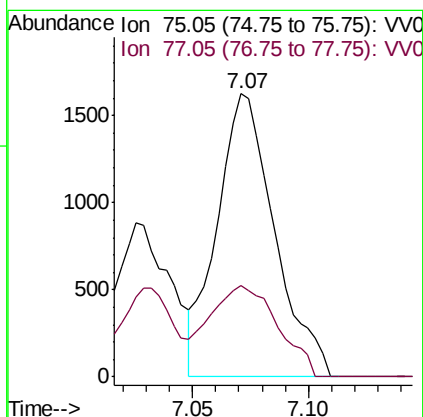
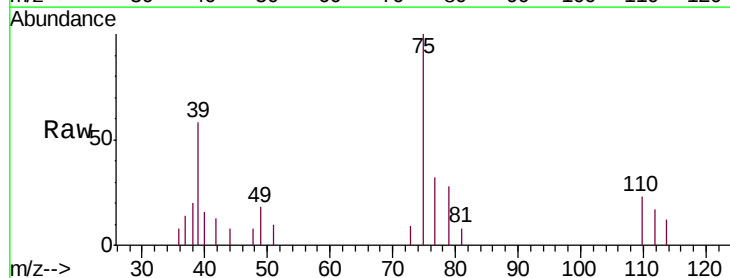
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

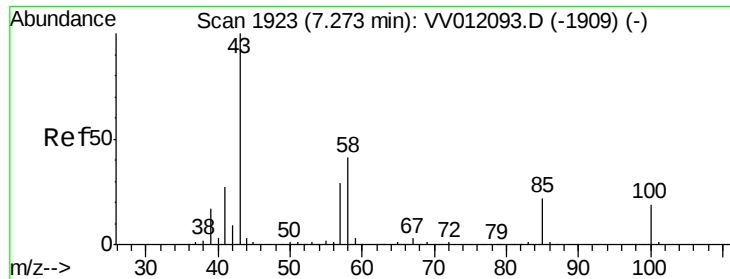
Tgt Ion: 83 Resp: 3075
 Ion Ratio Lower Upper
 83 100
 85 71.2 43.9 81.5
 127 11.4 6.9 10.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.226 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

Tgt Ion: 75 Resp: 2802
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.4 41.6

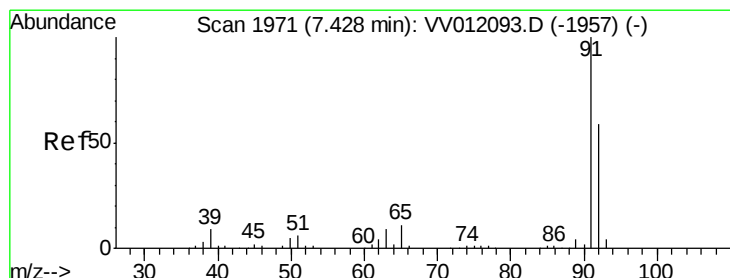
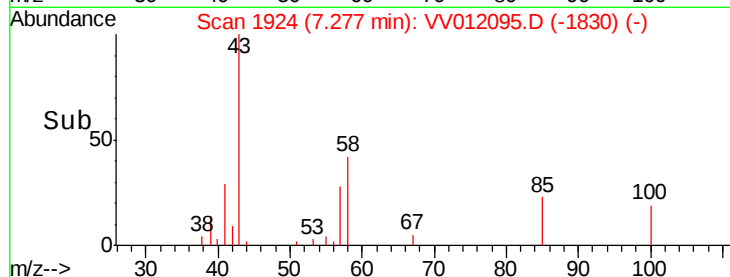
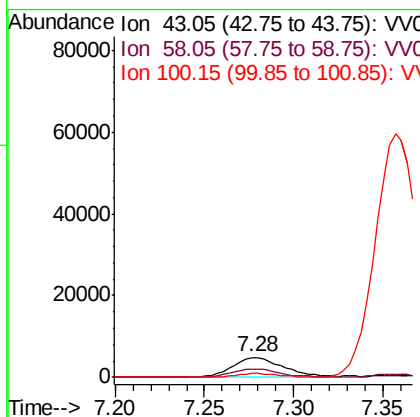
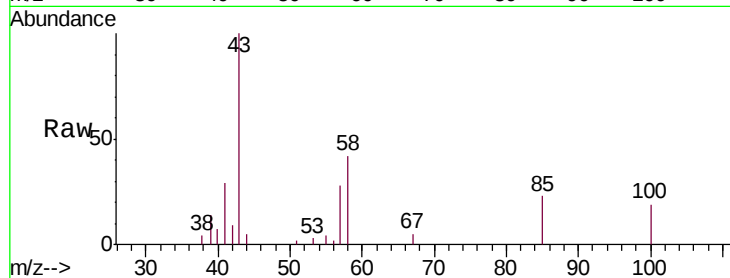




#40
4-Methyl-2-pentanone
Concen: 2.201 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

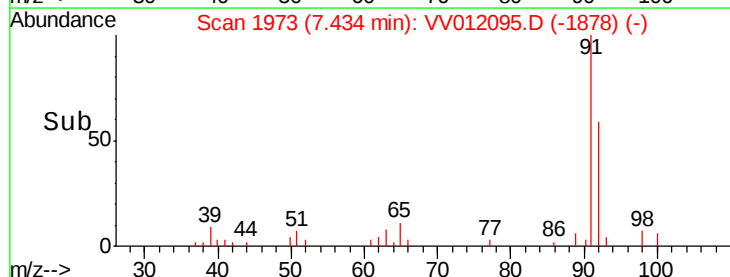
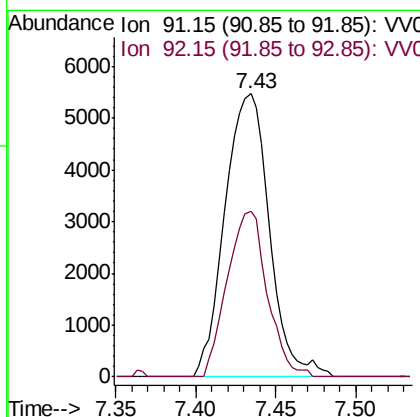
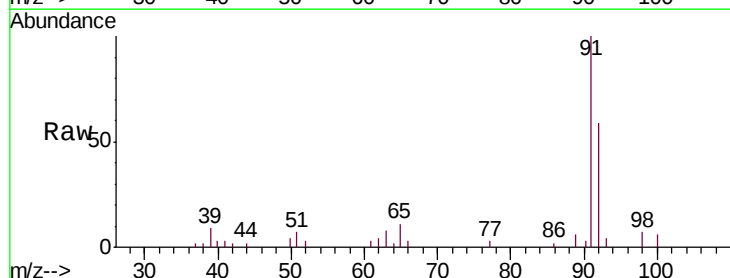
Instrument :
MSVOA_V
ClientSampleId :
MDL06

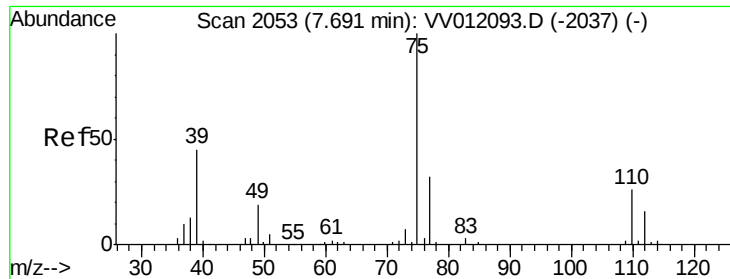
Tgt Ion: 43 Resp: 9832
Ion Ratio Lower Upper
43 100
58 41.4 31.9 47.9
100 0.0 14.0 21.0#



#42
Toluene
Concen: 0.273 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VV012095.D
Acq: 02 Aug 2019 11:23

Tgt Ion: 91 Resp: 10375
Ion Ratio Lower Upper
91 100
92 58.7 41.3 76.7





#44

trans-1,3-Dichloropropene

Concen: 0.331 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

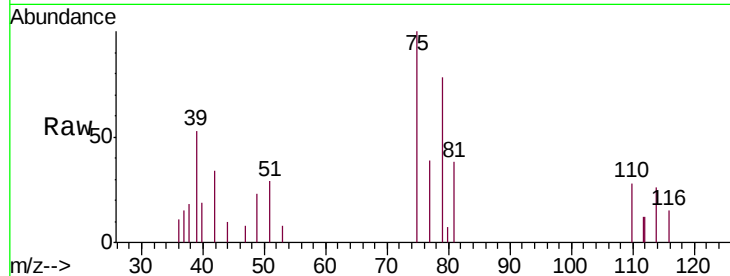
MDL06

Tgt Ion: 75 Resp: 3319

Ion Ratio Lower Upper

75 100

77 38.9 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012093.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV012093.D (-2037) (-)

7.69

1500

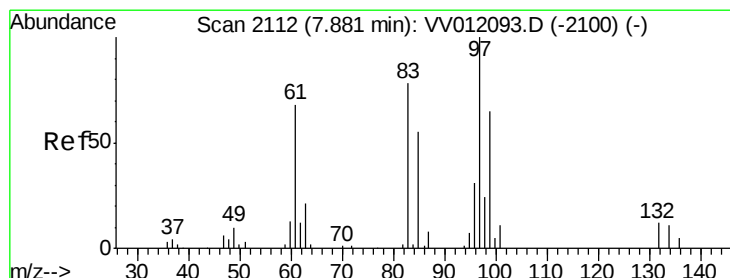
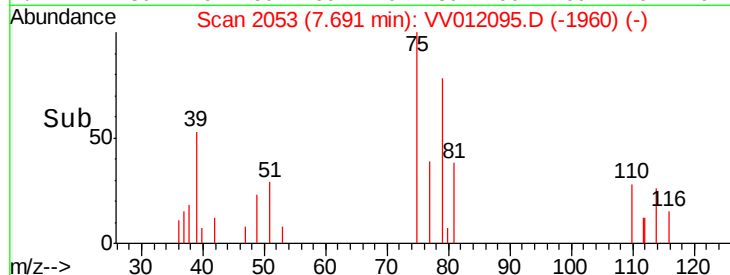
1000

500

0

7.60 7.65 7.70 7.75

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.247 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Tgt Ion: 97 Resp: 1493

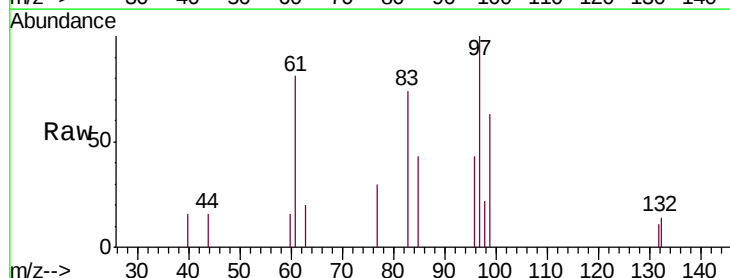
Ion Ratio Lower Upper

97 100

99 62.9 42.0 78.0

83 73.8 57.6 107.0

85 43.0 34.6 64.2



Abundance Ion 96.95 (96.65 to 97.65): VV012093.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012093.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV012093.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012093.D (-2100) (-)

1500

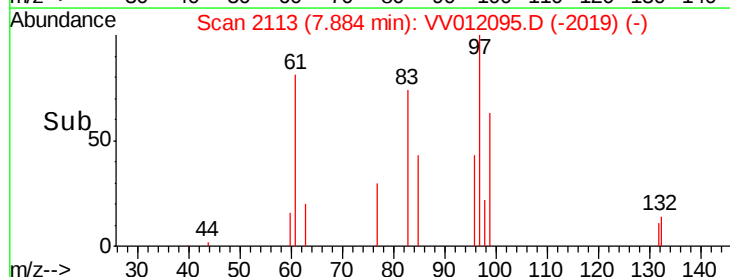
1000

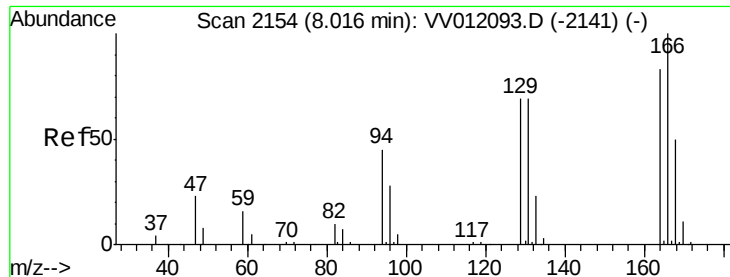
500

0

7.85 7.90

Time-->





#47

Tetrachloroethene

Concen: 0.257 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion:164 Resp: 2193

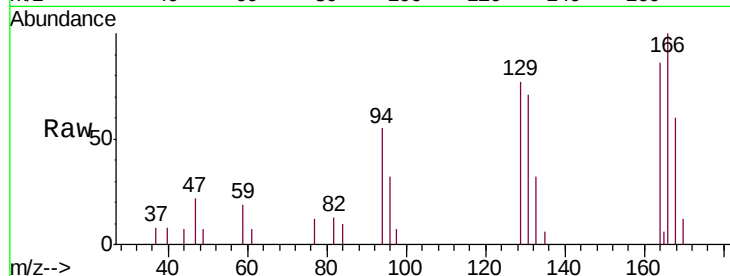
Ion Ratio Lower Upper

164 100

129 89.4 61.9 114.9

131 82.1 59.4 110.4

166 115.8 89.6 166.4

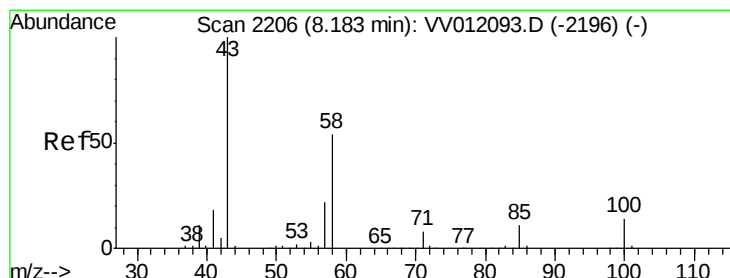
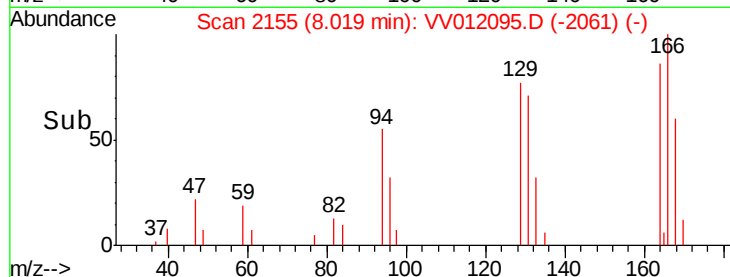
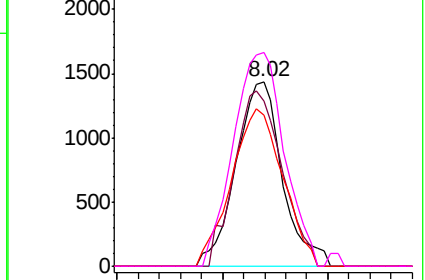


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.410 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Tgt Ion: 43 Resp: 7609

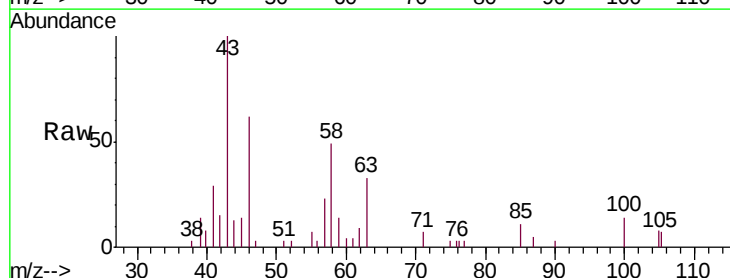
Ion Ratio Lower Upper

43 100

58 50.4 44.1 66.1

57 25.8 16.1 24.1#

100 16.9 11.3 16.9

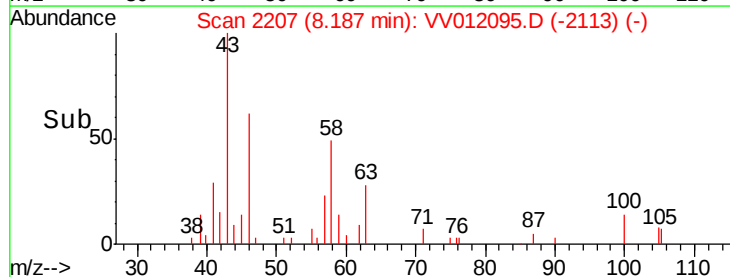
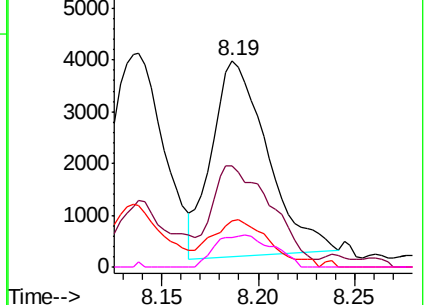


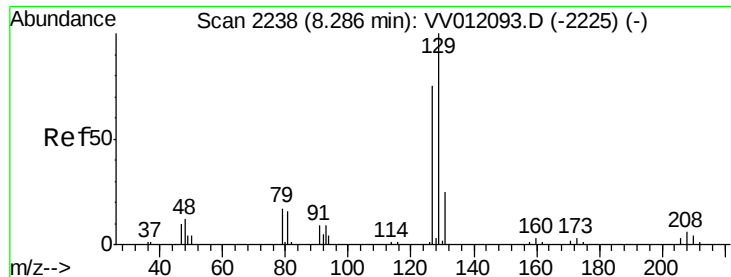
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.311 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

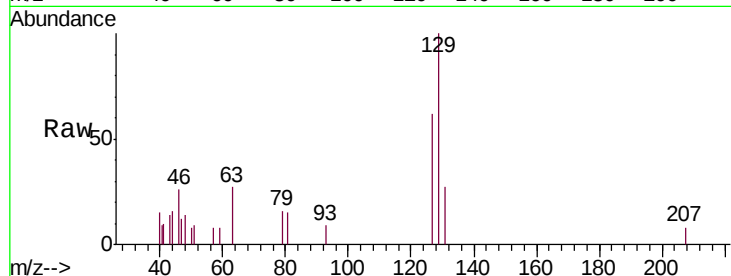
MDL06

Tgt Ion:129 Resp: 2303

Ion Ratio Lower Upper

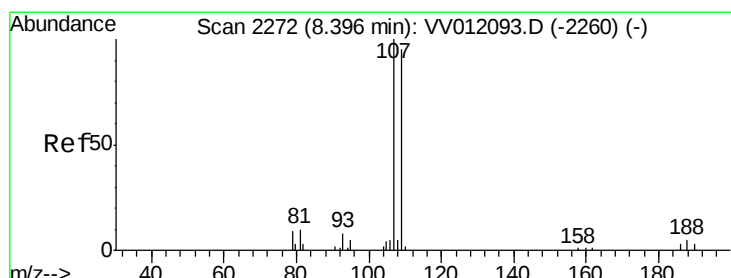
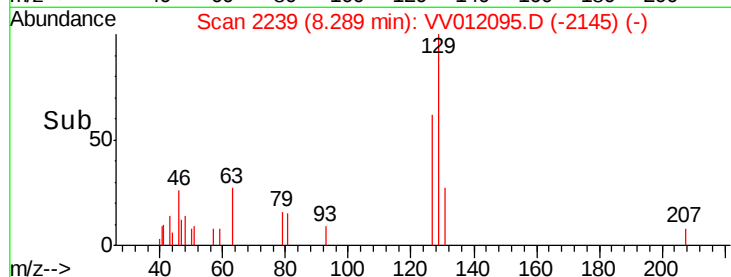
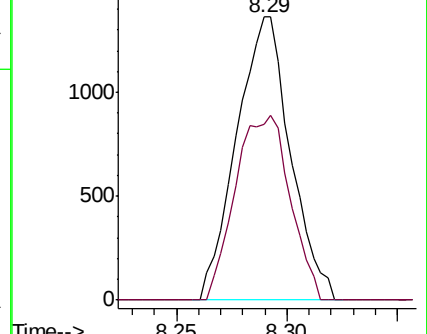
129 100

127 62.1 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.246 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

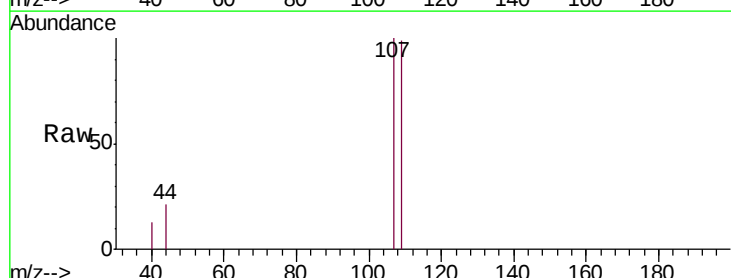
Tgt Ion:107 Resp: 1387

Ion Ratio Lower Upper

107 100

109 99.4 66.3 123.1

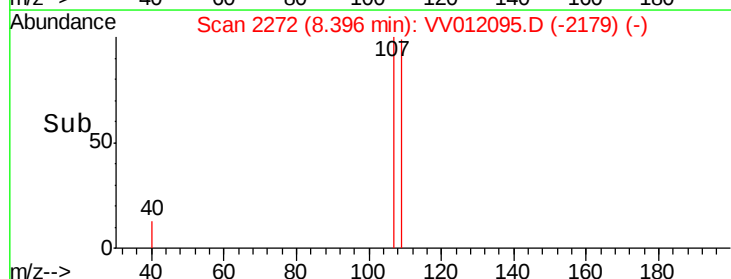
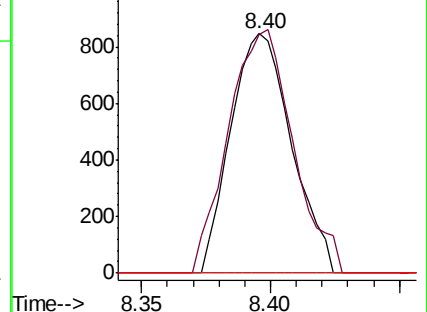
188 0.0 3.4 5.0#

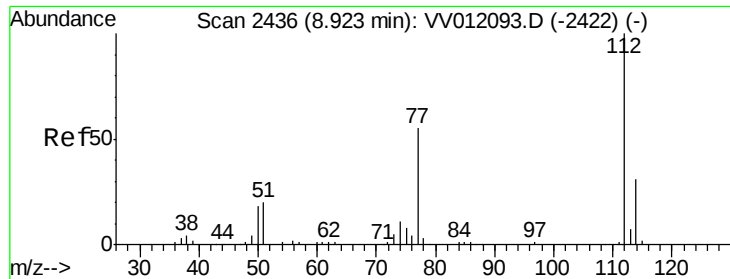


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.259 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

MDL06

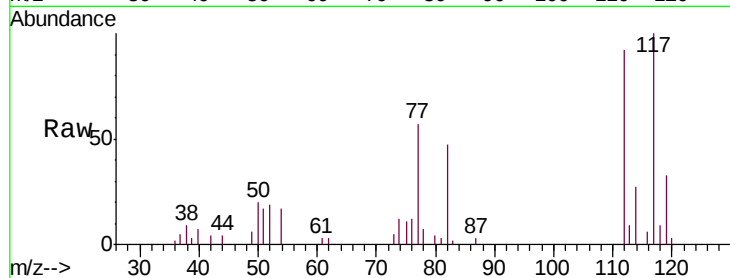
Tgt Ion: 112 Resp: 6582

Ion Ratio Lower Upper

112 100

114 26.3 22.1 41.1

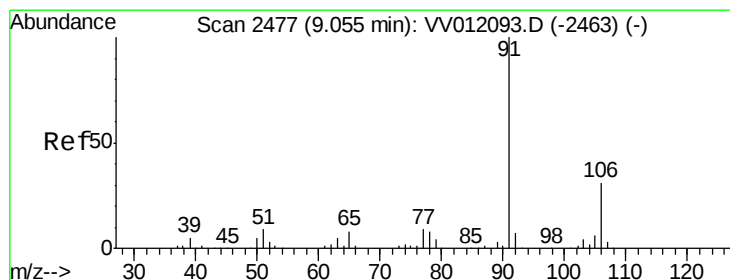
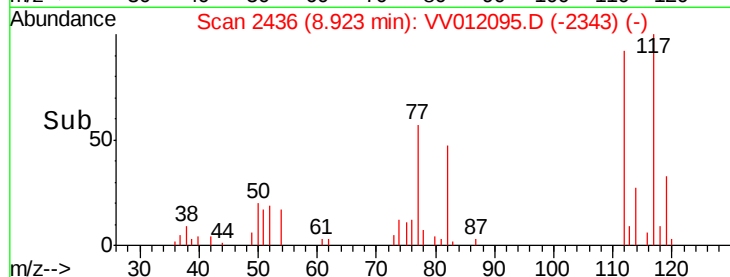
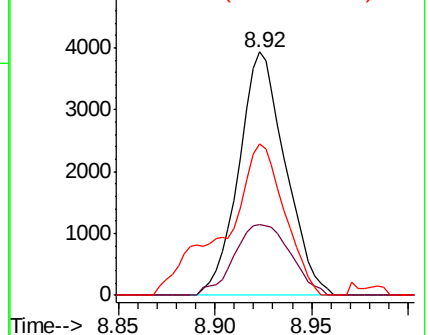
77 56.8 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#52

Ethylbenzene

Concen: 0.250 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012095.D

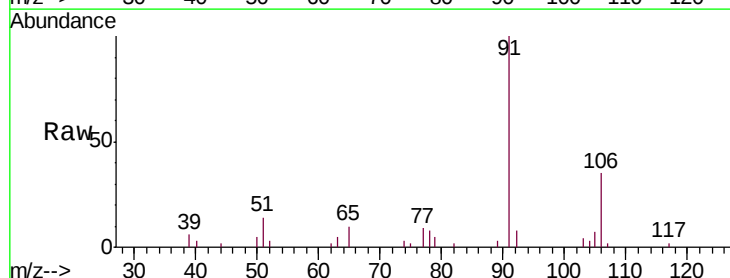
Acq: 02 Aug 2019 11:23

Tgt Ion: 91 Resp: 10860

Ion Ratio Lower Upper

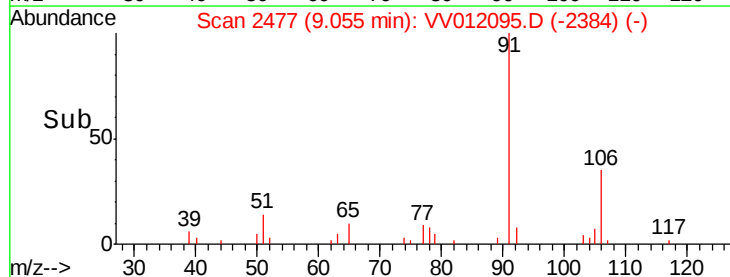
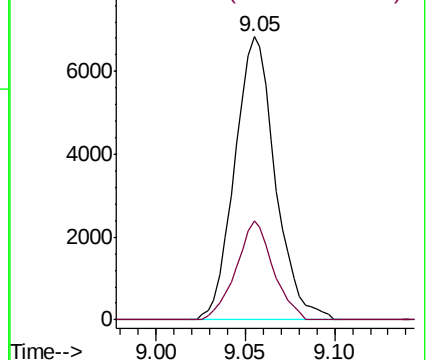
91 100

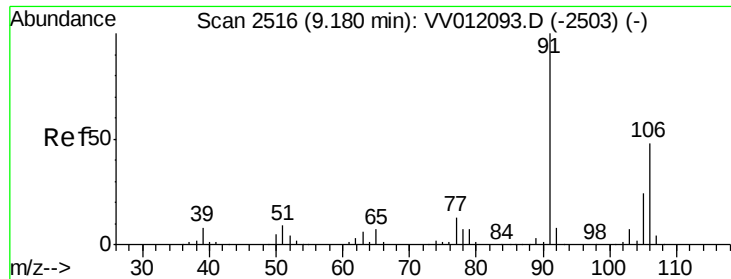
106 35.1 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.234 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

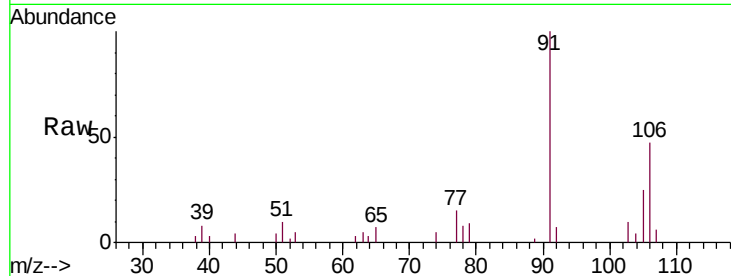
MDL06

Tgt Ion:106 Resp: 3868

Ion Ratio Lower Upper

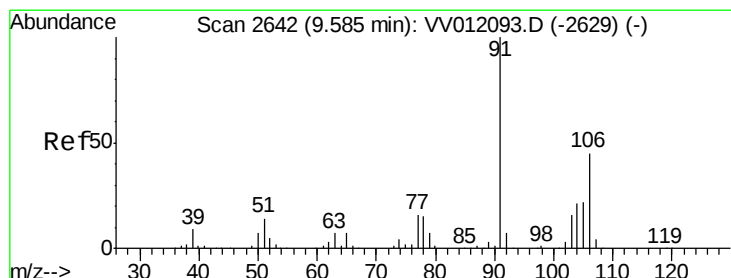
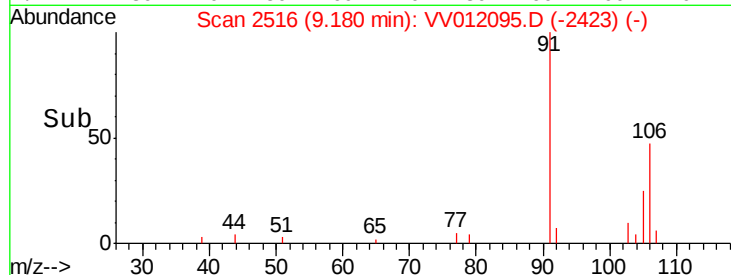
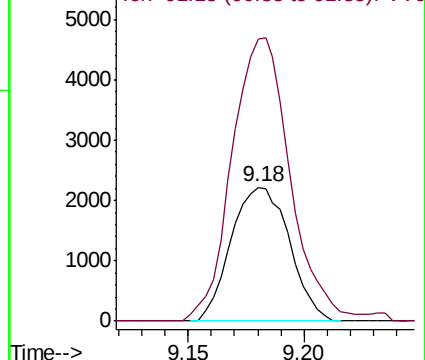
106 100

91 210.9 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.232 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012095.D

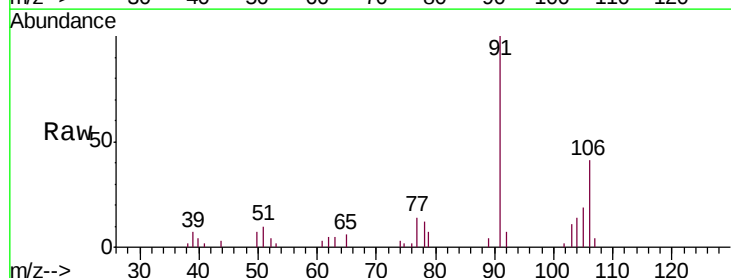
Acq: 02 Aug 2019 11:23

Tgt Ion:106 Resp: 3628

Ion Ratio Lower Upper

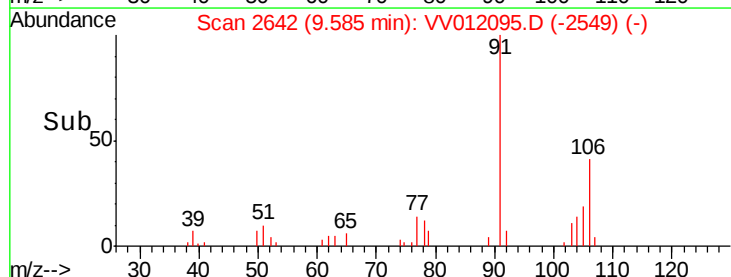
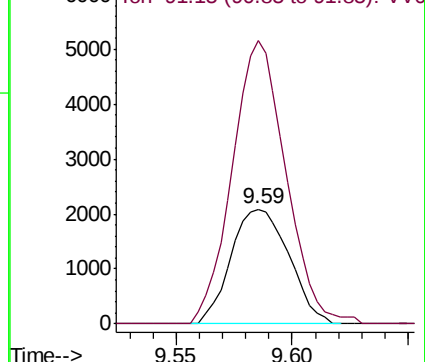
106 100

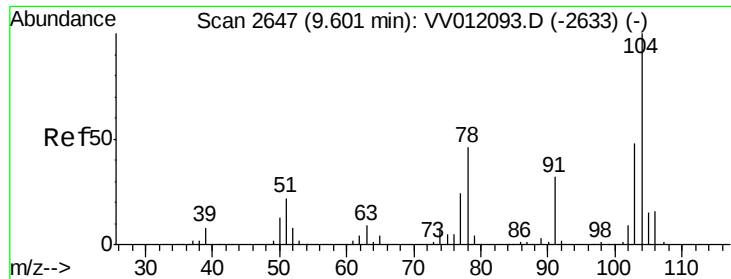
91 246.4 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.230 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampled :

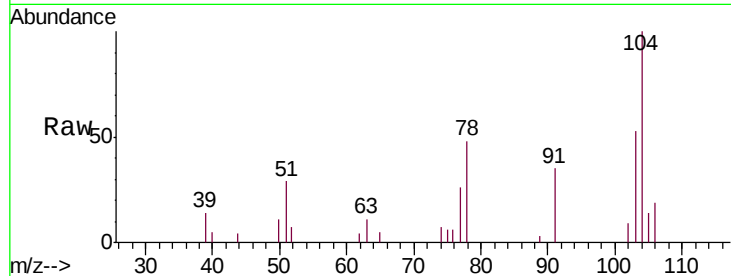
MDL06

Tgt Ion:104 Resp: 6053

Ion Ratio Lower Upper

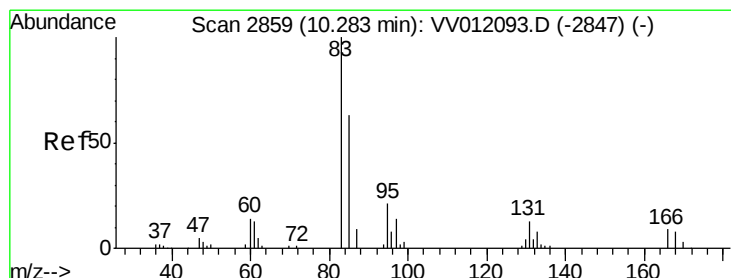
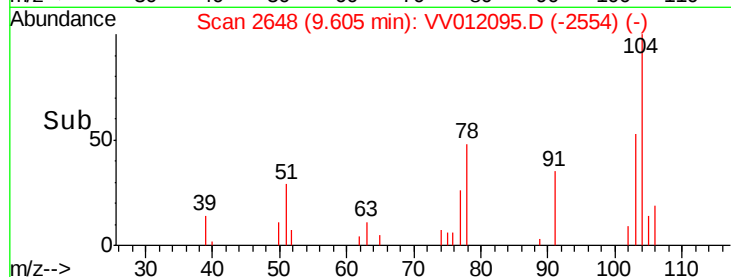
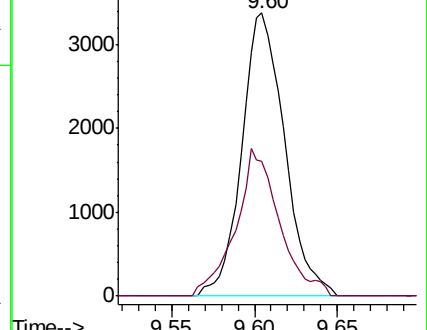
104 100

78 47.6 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): VV012093.D (-2633) (-)

Ion 78.10 (77.80 to 78.80): VV012093.D (-2633) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 0.265 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

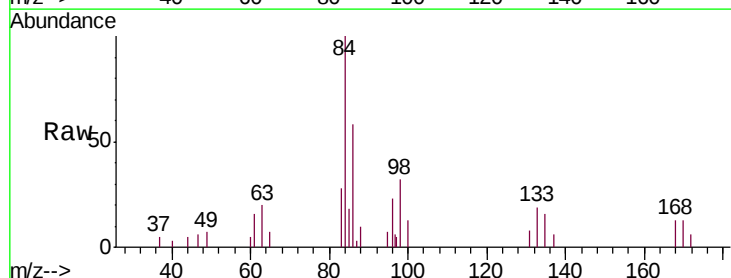
Tgt Ion: 83 Resp: 1721

Ion Ratio Lower Upper

83 100

85 65.8 44.0 81.6

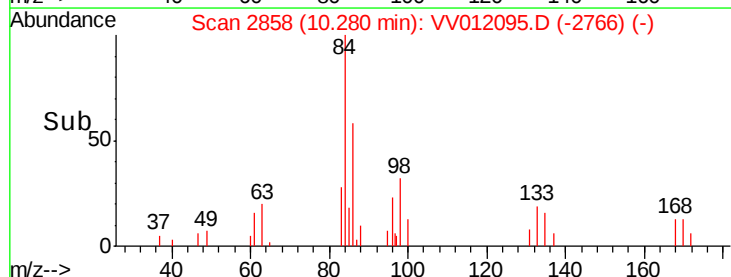
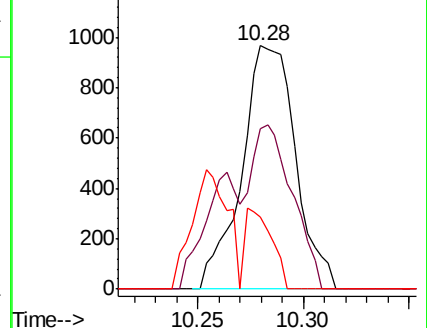
131 29.5 8.3 12.5#

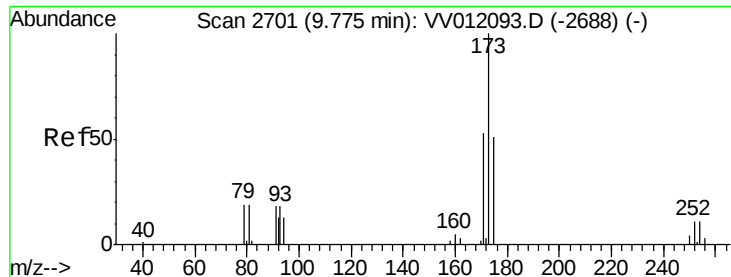


Abundance Ion 82.95 (82.65 to 83.65): VV012093.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV012093.D (-2847) (-)

Ion 130.95 (130.65 to 131.65): VV012093.D (-2847) (-)





#59

Bromoform

Concen: 0.262 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Instrument :

MSVOA_V

ClientSampleId :

MDL06

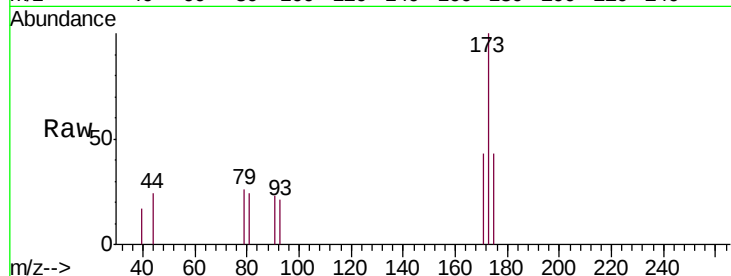
Tgt Ion:173 Resp: 1095

Ion Ratio Lower Upper

173 100

175 40.7 38.3 57.5

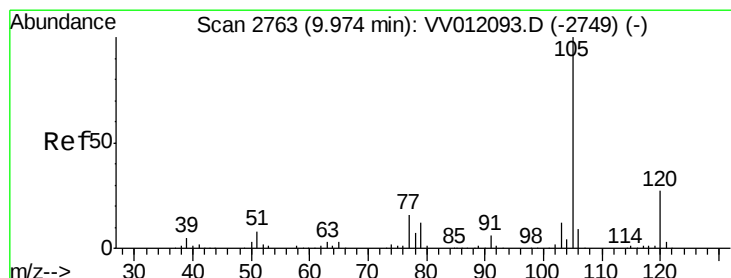
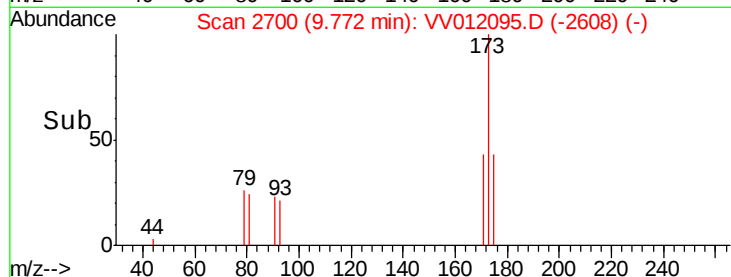
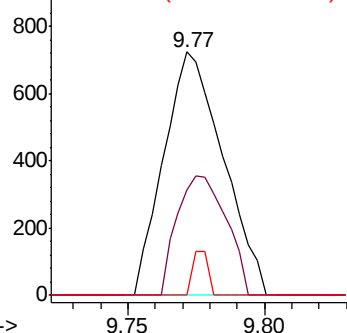
254 4.7 8.6 13.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#60

Isopropylbenzene

Concen: 0.238 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

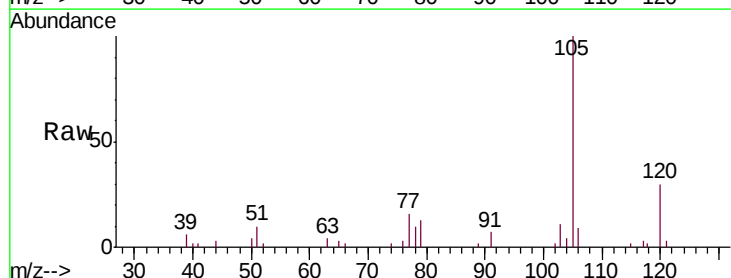
Tgt Ion:105 Resp: 10505

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

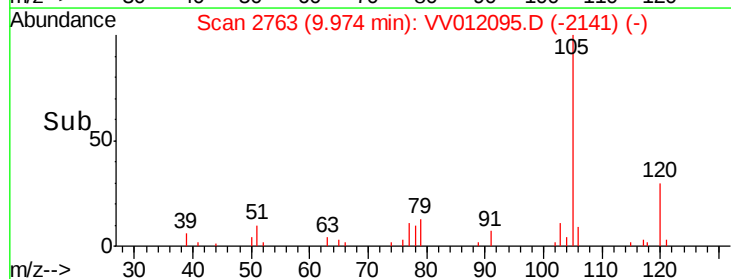
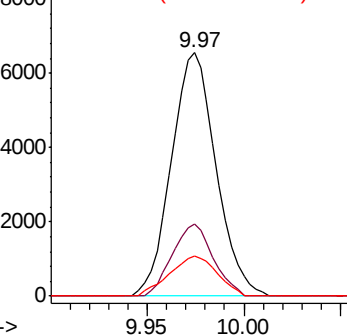
77 17.4 12.3 18.5

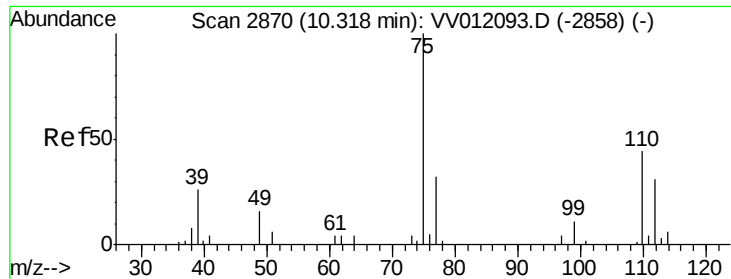


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

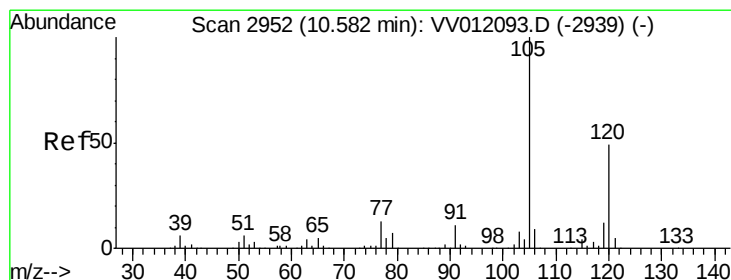
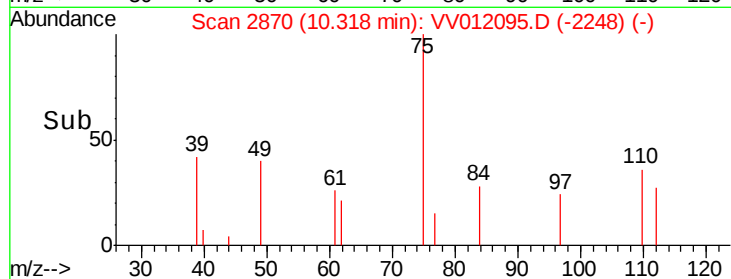
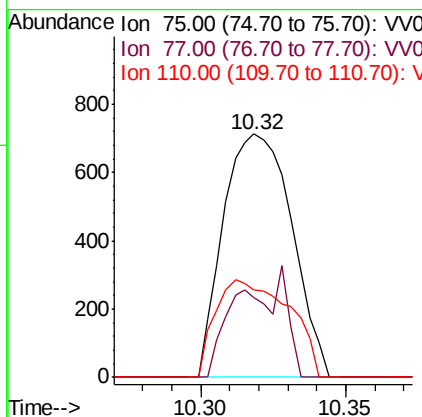
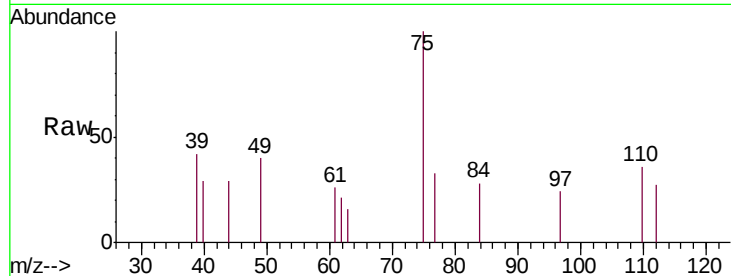




#61
 1,2,3-Trichloropropane
 Concen: 0.232 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

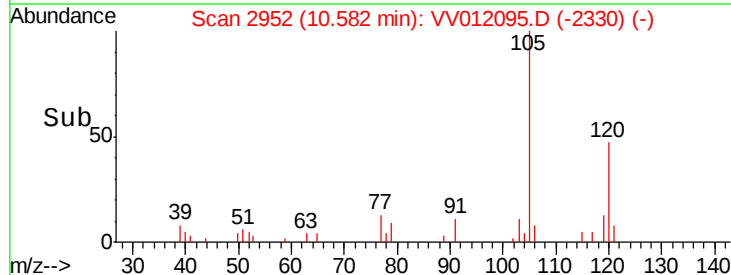
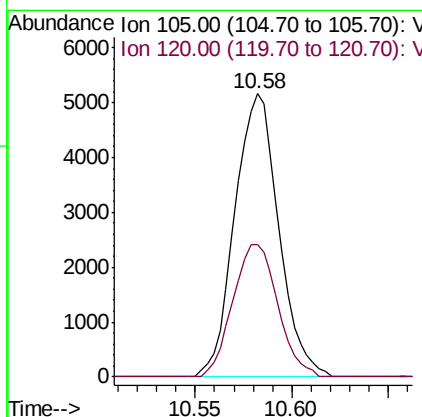
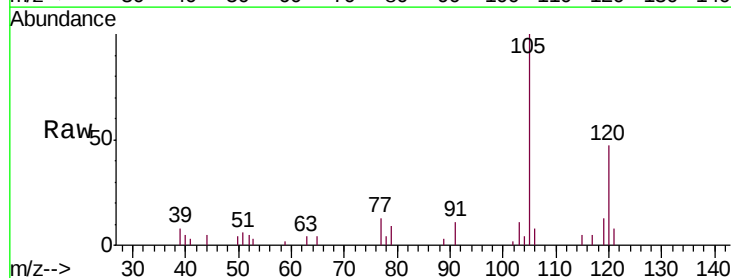
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

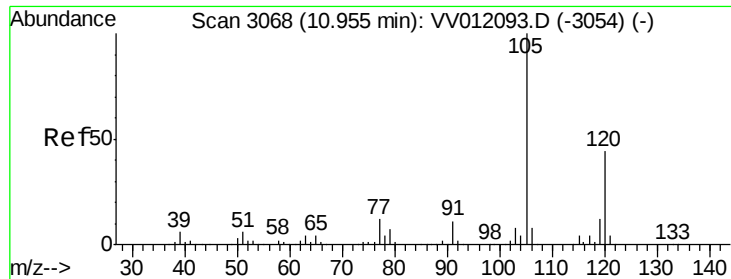
Tgt Ion: 75 Resp: 1170
 Ion Ratio Lower Upper
 75 100
 77 23.5 26.8 40.2#
 110 43.1 35.0 52.6



#62
 1,3,5-Trimethylbenzene
 Concen: 0.224 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

Tgt Ion: 105 Resp: 8166
 Ion Ratio Lower Upper
 105 100
 120 47.9 40.1 60.1

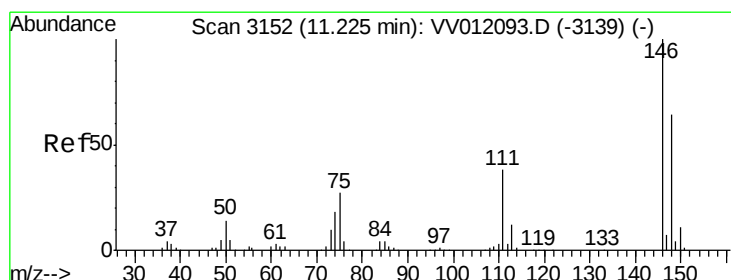
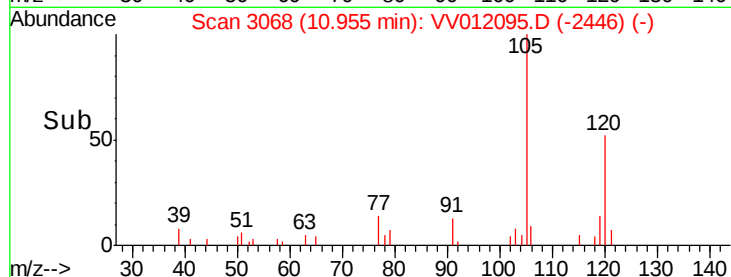
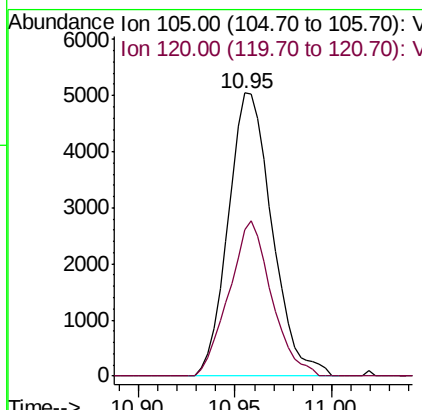
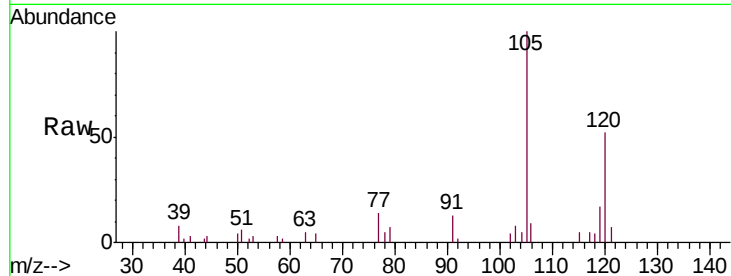




#63
 1,2,4-Trimethylbenzene
 Concen: 0.220 ug/L
 RT: 10.95 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

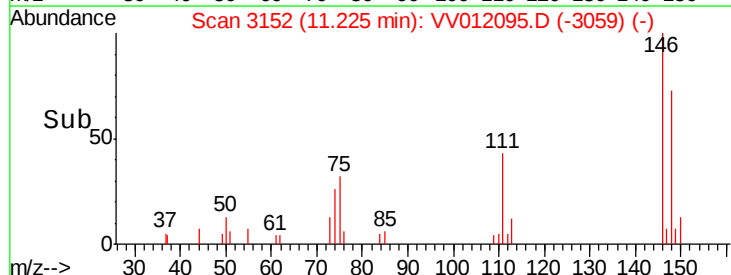
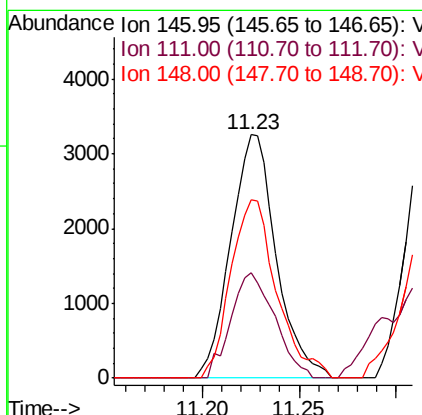
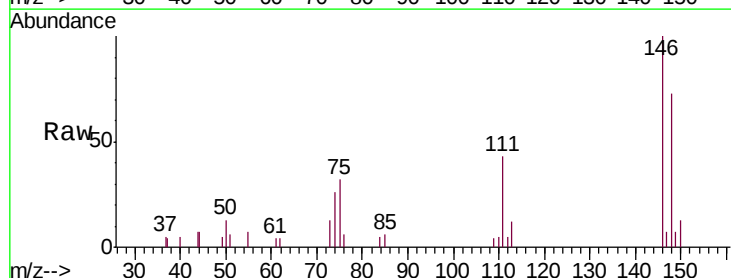
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

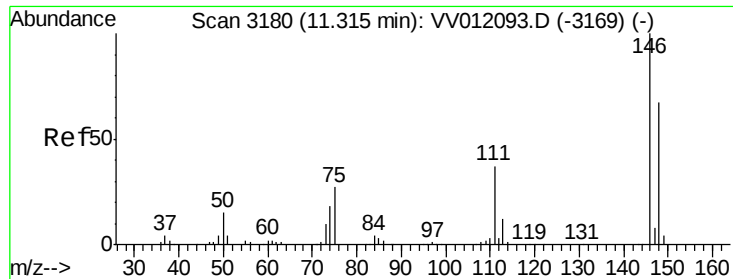
Tgt Ion:105 Resp: 7967
 Ion Ratio Lower Upper
 105 100
 120 53.2 35.8 53.8



#64
 1,3-Dichlorobenzene
 Concen: 0.242 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

Tgt Ion:146 Resp: 5331
 Ion Ratio Lower Upper
 146 100
 111 43.0 27.2 50.6
 148 73.2 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 0.268 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

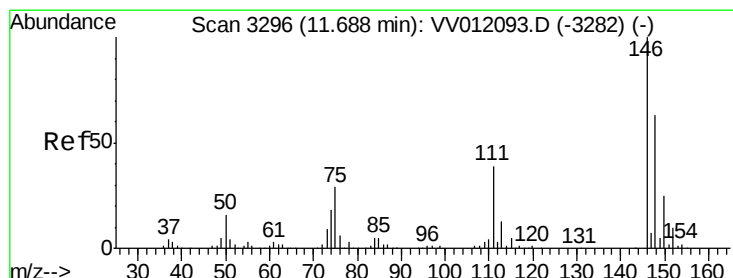
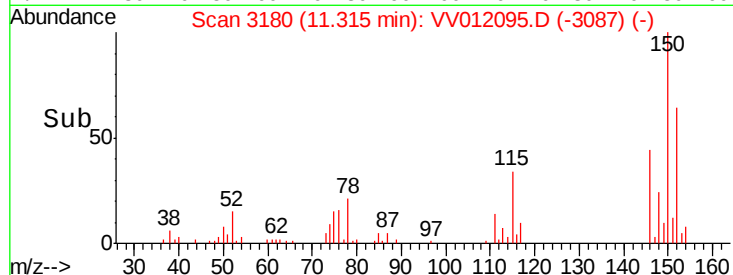
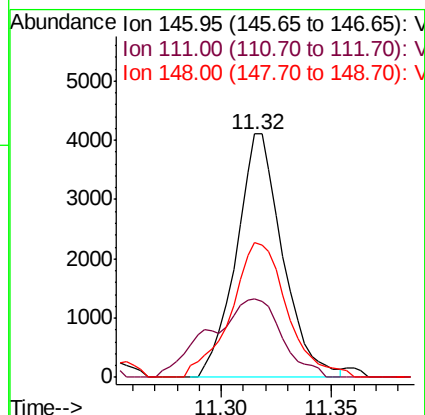
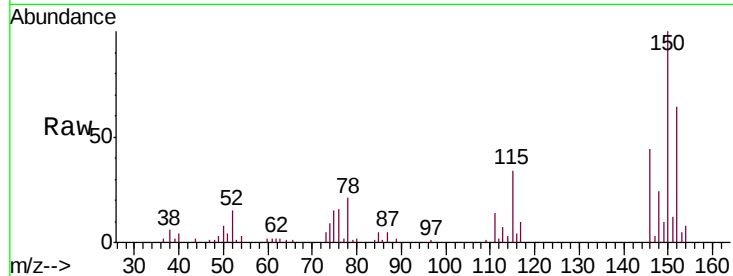
Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion:	146	Resp:	6001
Ion	Ratio	Lower	Upper
146	100		
111	32.2	25.8	48.0
148	55.2	43.8	81.3



#67

1,2-Dichlorobenzene

Concen: 0.273 ug/L

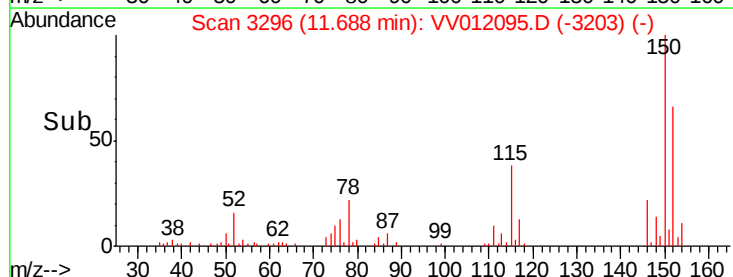
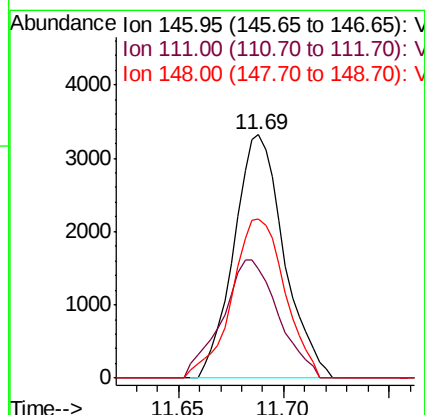
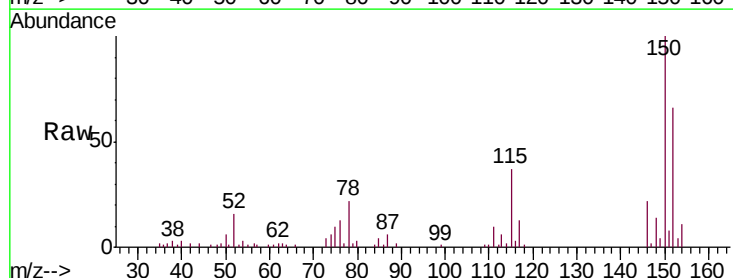
RT: 11.69 min Scan# 3296

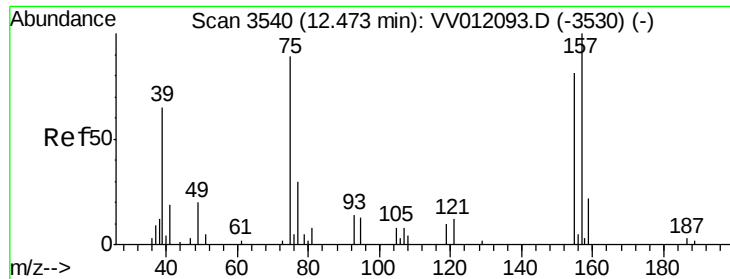
Delta R.T. -0.00 min

Lab File: VV012095.D

Acq: 02 Aug 2019 11:23

Tgt Ion:	146	Resp:	5467
Ion	Ratio	Lower	Upper
146	100		
111	44.7	32.4	48.6
148	65.5	49.4	74.0

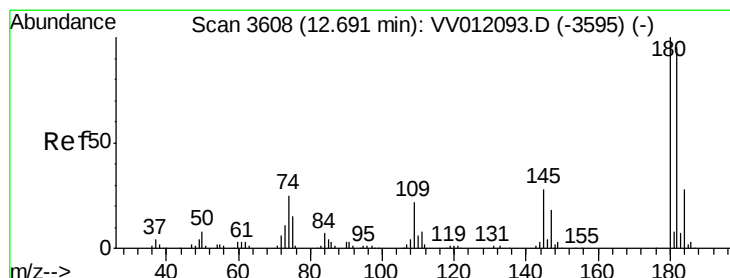
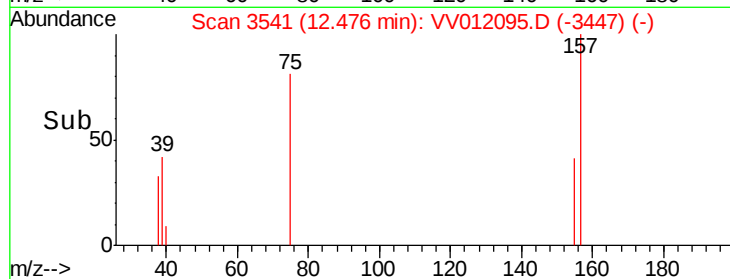
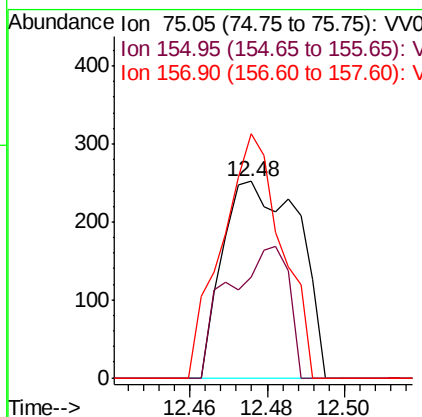
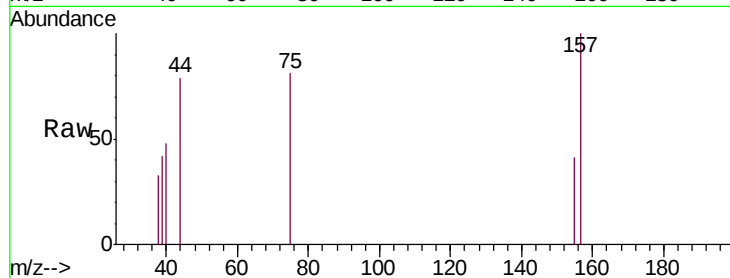




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.332 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

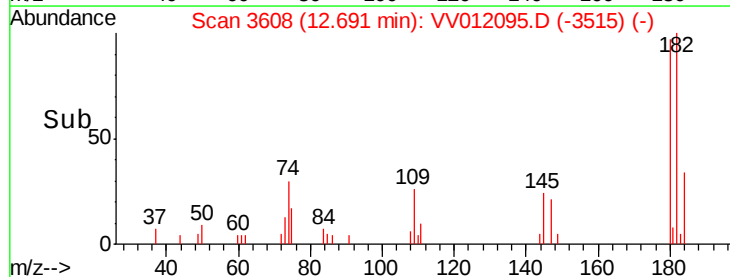
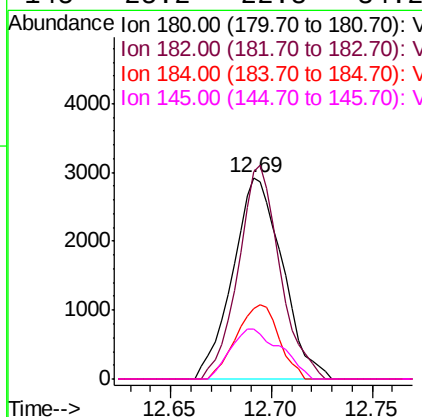
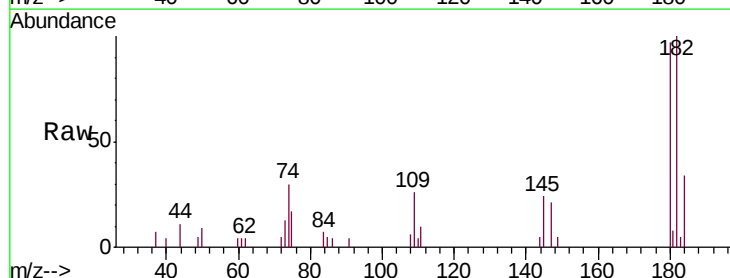
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

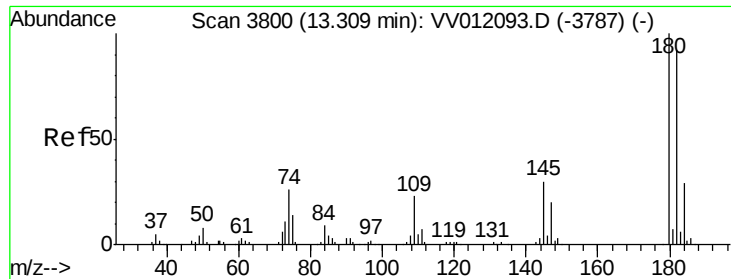
Tgt Ion: 75 Resp: 345
 Ion Ratio Lower Upper
 75 100
 155 51.2 75.0 112.6#
 157 124.2 87.8 131.6



#69
 1,3,5-Trichlorobenzene
 Concen: 0.276 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

Tgt Ion: 180 Resp: 5027
 Ion Ratio Lower Upper
 180 100
 182 89.0 77.1 115.7
 184 31.6 24.6 36.8
 145 25.2 22.8 34.2

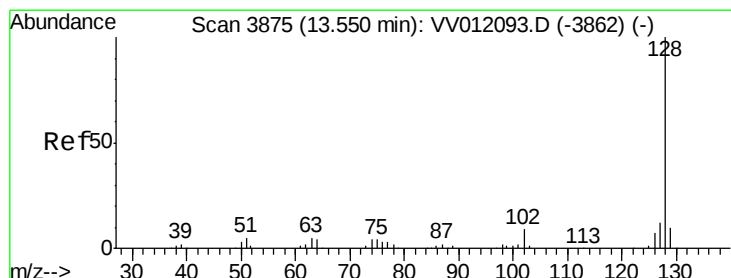
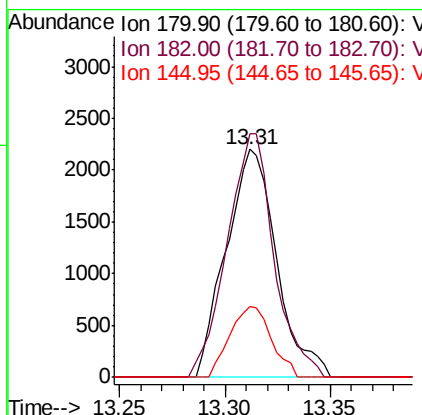
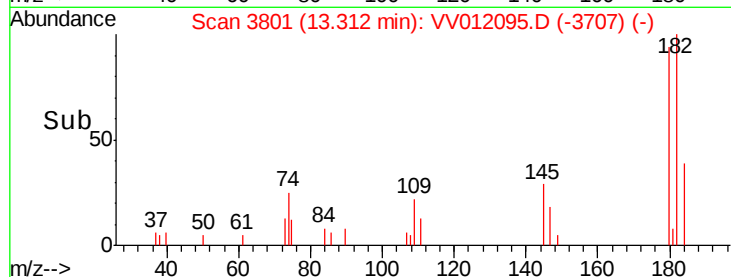
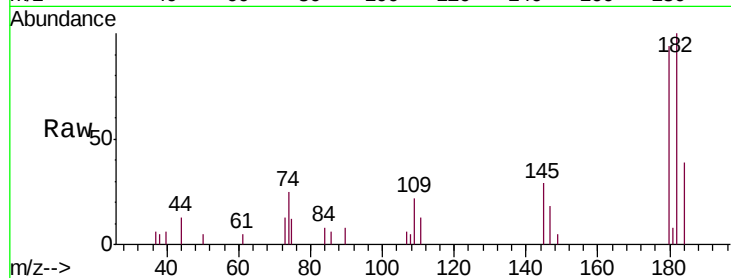




#70
 1,2,4-trichlorobenzene
 Concen: 0.254 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

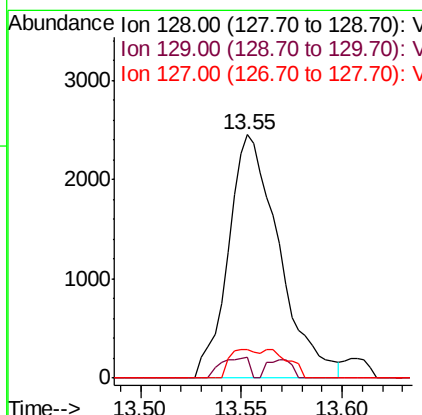
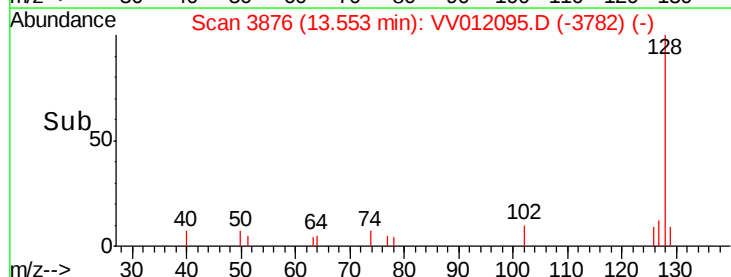
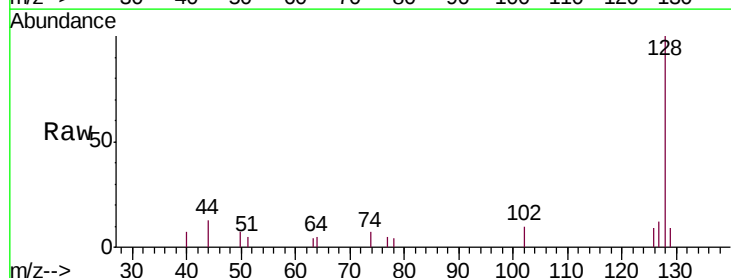
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

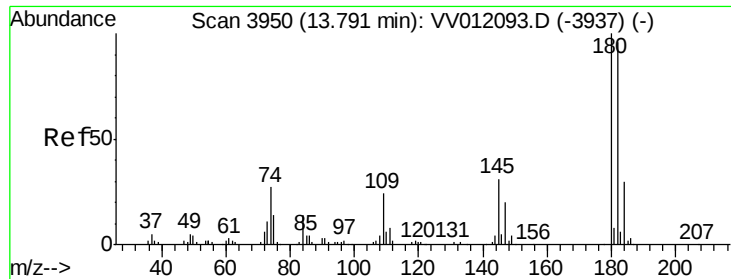
Tgt Ion:180 Resp: 3655
 Ion Ratio Lower Upper
 180 100
 182 99.2 76.1 114.1
 145 25.5 24.3 36.5



#71
 Naphthalene
 Concen: 0.216 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

Tgt Ion:128 Resp: 4313
 Ion Ratio Lower Upper
 128 100
 129 4.7 9.1 13.7#
 127 7.0 10.4 15.6#

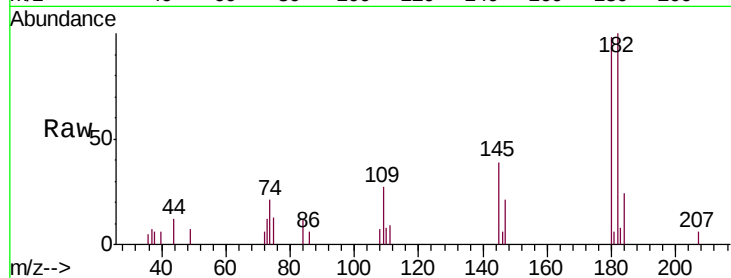




#72
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV012095.D
 Acq: 02 Aug 2019 11:23

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.8	78.5	117.7
145	36.8	25.8	38.8



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

